



CARPET CARE CHEMICAL SDS





SAFETY DATA SHEET

1. Product and Company Identification

| | |
|-----------------------------------|--|
| Product Name | ABT |
| Product Number | 3AB |
| Product Type | Mixture |
| Product Use | Acidic Rinse for carpets & upholstery |
| Manufacturer | CFR, A Division of Tacony Corporation 3101 Wichita Court Fort Worth, TX 76140-1710 |
| Company Contact | 1-800-533-2557 or website www.cfrcorp.com |
| Emergency Telephone Number | 1-800-270-5201 |

2. Hazards Identification

GHS Classification in accordance with 29CFR 1910 OSHA HCS

Skin corrosion/irritation, (Category 3) H316
Serious eye damage/eye irritation, (Category 2B) H320

GHS Label elements, including precautionary statements

| | |
|---------------------------------|---|
| Pictogram | None required |
| Signal Word | Warning |
| Hazard Statements | |
| H316 | Causes mild skin irritation. |
| H320 | Causes eye irritation. |
| Precautionary Statements | |
| Prevention | |
| P264 | Wash and rinse hands and exposed skin after handling concentrated product. |
| Response | |
| P332+P313 | If skin irritation occurs, get medical attention. |
| P305+P351+P338 | IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists, get medical attention. |
| Storage/Disposal | |
| P501 | Dispose of contents/container in accordance with local, regional and federal regulations |

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

| Hazardous Components | CAS# | Classification | % |
|------------------------------|-------------|-----------------------|----------|
| Citric acid | 77-92-9 | H319 | 1-10% |
| Anionic polymeric surfactant | Proprietary | H316, H320 | 1-4% |

4. First Aid Measures

Description of First Aid Procedures

| | |
|--------------------------------|--|
| In case of Eye Contact | Flush with cool running water for 15 minutes. If irritation persists, get medical attention. |
| In case of Skin Contact | Flush with cool water, Wash with soap and water, If irritation persists, get medical Attention. |
| If Inhaled | If symptoms develop, move to fresh air. If symptoms persist, get medical attention |
| If Ingested | Rinse mouth with water. Drink one or two glasses of water. Do not induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person. |
| .Notes to Physician | Symptoms may be delayed. |
| General advice | Seek medical attention if feeling unwell. Show the SDS to the physician in attendance. |

5. Fire-fighting Measures

| | |
|--|---|
| Flammable properties | Not flammable |
| Extinguishing media | Treat for surrounding material. |
| Protection of firefighters | Firefighters should wear protective clothing including self contained breathing apparatus |
| Hazardous combustion products | May include and not limited to oxides of carbon, nitrogen, and oxides of sulfur. |
| Unusual Fire, Explosion hazards | None known. |

6. Accidental Release Measures

| | |
|----------------------------------|--|
| Personal precautions | Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing. Stay upwind of spills or leaks. |
| Methods for containment | Stop leak if you can do so without risk. Prevent entry into waterways, sewers. |
| Methods for cleaning up | Before attempting clean up refer to hazard data given above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or water ways. Dike spill. Absorb spill with non reactive absorbent and place in a suitable, covered, labeled container for disposal. Never return spill to original container for reuse. |
| Environmental Precautions | Avoid release to the environment. |

7. Handling and Storage

| | |
|--------------------------------------|--|
| Precautions for Safe Handling | Use good industrial hygiene practices when handling this material |
| Conditions for Safe Storage | Keep out of reach of children. Keep from freezing, store in a cool dry place away from incompatible materials. |

8. Exposure Controls and Personal Protection

| | | | |
|------------------------------|---------------|-----------------|------------------|
| Exposure limits | | | |
| Ingredients | CAS-No | OSHA PEL | ACGIH TLV |
| Citric acid | 77-92-9 | Not available | Not available |
| Anionic polymeric surfactant | Proprietary | Not available | Not available |



| | |
|---------------------------------------|--|
| Engineering controls | General ventilation normally adequate |
| Personal protective equipment | |
| Eye/Face protection | Wear safety glasses with side shields if splash conditions exist. |
| Hand protection | Rubber or nitrile gloves. |
| Skin and body | As required by employer code. |
| Respiratory protection | Use a NIOSH approved respirator when exposure guidelines are exceeded. |
| General hygiene considerations | Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product. |

9. Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|---|--|
| Appearance/form | Clear liquid |
| Color | Light straw to colorless |
| Odor | Slight organic |
| Odor threshold | Not established |
| pH | 2.1-2.3 (Concentrate) |
| Melting point/freezing point | Not established |
| Initial Boiling point | > 212° F. (100° C.) |
| Flash point | None |
| Evaporation rate | Not established |
| Flammability | Not flammable |
| Upper/lower flammability or Explosive limits | Not established |
| Vapor pressure | Not established |
| Vapor density | Not established |
| Specific gravity/density | 1.01-1.05 |
| Solubility in water | Complete |
| Partition coefficient: | Not established |
| Auto ignition temperature | Not established |
| Decomposition temperature | Not established |
| Stability and Reactivity | Stable and non reactive under normal use and storage conditions. |
| VOC | < 1% |
| % Volatile | Approx. 90% |

Other safety Information

10. Stability and Reactivity

| | |
|---|--|
| Reactivity | Not reactive under normal use and storage. |
| Chemical Stability | Stable under normal storage conditions. |
| Hazardous reactions | None known. |
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Strong acids and oxidizers. |
| Hazardous decomposition products | May include but not limited to oxides of carbon, nitrogen, and oxides of sulfur. |
| Hazardous polymerization | Will not occur. |

11. Toxicological Information

| Ingredients | LC50 |
|------------------------------|-------------------|
| Citric acid | No data available |
| Anionic polymeric surfactant | No data available |

**Ingredients**

Citric acid
Anionic polymeric surfactant

LD50

5,400 mg/kg (Oral-rat), > 2,000 mg/kg (Dermal-rat)
No data available

Effects of acute exposure

Eye Causes eye irritation
Skin Causes mild irritation.
Inhalation Not normally a route of entry.
Ingestion Not expected to be harmful.

Sensitization

No data available.

Chronic effects of short and long term exposure

No data available.

Carcinogenicity

Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA.

Mutagenicity

No data available.

Reproductive effects

No data available.

Teratogenicity

No data available.

12. Ecological Information

Eco-toxicity

Components of this product have been identified as toxic with long lasting effects to the aquatic environmental.

Environmental effects

No data available.

Aquatic toxicity

Citric acid

LC50 Fish (*Leuciscus idus melanotus*): 440 mg/l 48 hours
LC50 Water Flea (*Daphnia magna*): 1,535 mg/l 24 hours

Persistence and Degradability

No data available

Bioaccumulation/accumulation

No data available.

Partition coefficient

No data available.

Mobility in environmental media

No data available.

Chemical fate information

No data available.

Other adverse effects

No data available.

13. Disposal Considerations

Disposal instructions

Dispose in accordance with local, state, and federal regulations

Wastes from residues/unused Product

Containerize. Rinse area with water. Keep out of storm sewer/waterways.

Contaminated packaging

Dispose in accordance with all applicable regulations.

14. Transport Information

Basic shipping requirements:

Not DOT regulated

Proper shipping name

Hazard class

UN number

Packing group

Special provisions

15. Regulatory Information

| | | |
|--|--|-------------------------------|
| U.S federal regulations | This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA HCS 2012. | |
| TSCA | All ingredients are listed on the Toxic Substances Control Act or are exempt from listing. | |
| CERCLA Super Fund 40CFR117.302 | Product contains a material with a Reportable Quantity (RQ): None | |
| SARA Title III Section 311&312 | Immediate (Acute) Health Hazard Citric acid CAS#77-92-9 | |
| SARA Title III Section 313 | Ingredients subject to the reporting requirements of Section 313: None | |
| California Proposition 65 | This product does not contain intentional ingredients known to the State of California to cause cancer, birth defects or reproductive effects.. | |
| States Right to Know | Reportable Chemicals: Citric acid CAS#77-92-9 | |
| Inventory Status | | |
| Countries | Inventory Name | On Inventory (Yes/No)* |
| U.S. | Chemical Inventory List | Yes |
| Canada | Domestic substances list | Yes |
| <ul style="list-style-type: none"> • A öYesö indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed. | | |

16. Other Information

HMIS RATING

HMIS LEGEND

| | |
|----------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | |

| | |
|---------------------|---|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |
| Personal Protection | B |

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

May 7, 2015

Supersedes date

Previous issues.

Reason for update

Conform to GHS OSHA HCS 2012.

Expiration date

May 7, 2018



SAFETY DATA SHEET

1. Product and Company Identification

| | |
|-----------------------------------|--|
| Product Name | ALL PURPOSE SPOTTER |
| Product Number | 3BZ |
| Product Type | Mixture |
| Product Use | Spot remover for carpets & upholstery |
| Manufacturer | CFR, A Division of Tacony Corporation 3101 Wichita Court Fort Worth, TX 76140-1710 |
| Company Contact | 1-800-533-2557 or website www.cfrcorp.com |
| Emergency Telephone Number | 1-800-270-5201 |

2. Hazards Identification

GHS Classification in accordance with 29CFR 1910 OSHA HCS

Skin corrosion/irritation, (Category 3) H316
Serious eye damage/eye irritation, (Category 2B) H320
Acute Aquatic toxicity (Category 3) H402
Chronic aquatic toxicity, (Category 3) H412

GHS Label elements, including precautionary statements

| | |
|---------------------------------|---|
| Pictogram | None required |
| Signal Word | Warning |
| Hazard Statements | |
| H316 | Causes mild skin irritation. |
| H320 | Causes eye irritation. |
| H402 | Harmful to aquatic life |
| H413 | Harmful to aquatic life with long lasting effects. |
| Precautionary Statements | |
| Prevention | |
| P264 | Wash and rinse hands and exposed skin after handling concentrated product. |
| P273 | Avoid release to the environment. |
| Response | |
| P332+P313 | If skin irritation occurs, get medical attention. |
| P305+P351+P338 | IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists, get medical attention. |
| Storage/Disposal | |
| P501 | Dispose of contents/container in accordance with local, regional and federal regulations |

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.



| Hazardous Components | CAS# | Classification | % |
|---|-------------|------------------------|------|
| Alcohols,C6-C10, ethoxylated propoxylated | 168987-81-5 | H319, H402 | 1-5% |
| Alcohols, C9-C11, ethoxylated | 68439-46-3 | H302, H316, H320, H412 | 1-5% |
| Terpene hydrocarbons | 5989-27-5 | H226, H303,H314, | 1-3% |
| Diethylene glycol n butyl ether | 112-34-5 | H319, | 1-2% |

4. First Aid Measures

Description of First Aid Procedures

| | |
|--------------------------------|--|
| In case of Eye Contact | Flush with cool running water for 15 minutes. If irritation persists, get medical attention. |
| In case of Skin Contact | Flush with cool water, Wash with soap and water, If irritation persists, get medical Attention. |
| If Inhaled | If symptoms develop, move to fresh air. If symptoms persist, get medical attention |
| If Ingested | Rinse mouth with water. Drink one or two glasses of water. Do not induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person. |
| .Notes to Physician | Symptoms may be delayed. |
| General advice | Seek medical attention if feeling unwell. Show the SDS to the physician in attendance. |

5. Fire-fighting Measures

| | |
|--|---|
| Flammable properties | Not flammable |
| Extinguishing media | Treat for surrounding material. |
| Protection of firefighters | Firefighters should wear protective clothing including self contained breathing apparatus |
| Hazardous combustion products | May include and not limited to oxides of carbon, nitrogen, and oxides of sulfur. |
| Unusual Fire, Explosion hazards | None known. |

6. Accidental Release Measures

| | |
|----------------------------------|--|
| Personal precautions | Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing. Stay upwind of spills or leaks. |
| Methods for containment | Stop leak if you can do so without risk. Prevent entry into waterways, sewers. |
| Methods for cleaning up | Before attempting clean up refer to hazard data given above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or water ways. Dike spill. Absorb spill with non reactive absorbent and place in a suitable, covered, labeled container for disposal. Never return spill to original container for reuse. |
| Environmental Precautions | Avoid release to the environment. |

7. Handling and Storage

| | |
|--------------------------------------|--|
| Precautions for Safe Handling | Use good industrial hygiene practices when handling this material |
| Conditions for Safe Storage | Keep out of reach of children. Keep from freezing, store in a cool dry place away from incompatible materials. |

8. Exposure Controls and Personal Protection

Exposure limits

| Ingredients | CAS-No | OSHA PEL | ACGIH TLV |
|---|-------------|---------------|---------------|
| Alcohols, C6-C10, ethoxylated, propoxylated | 168987-81-5 | Not available | Not available |
| Alcohols, C9-C11, ethoxylated, | 68439-46-3 | Not available | Not available |
| Terpene hydrocarbons | 5989-27-5 | Not available | Not available |
| Diethylene glycol n butyl ether | 112-34-5 | 10ppm TWA | Not available |

Engineering controls

General ventilation normally adequate

Personal protective equipment

Eye/Face protection

Wear safety glasses with side shields if splash conditions exist.

Hand protection

Rubber or nitrile gloves.

Skin and body

As required by employer code.

Respiratory protection

Use a NIOSH approved respirator when exposure guidelines are exceeded.

General hygiene considerations

Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|--|--|
| Appearance/form | Clear liquid |
| Color | Colorless |
| Odor | Solvent |
| Odor threshold | Not established |
| pH | 3.5-3.6 (Concentrate) |
| Melting point/freezing point | Not established |
| Initial Boiling point | > 212° F. (100° C.) |
| Flash point | > 200° F. (93° C.) EPA 1010 closed cup |
| Evaporation rate | Not established |
| Flammability | Not flammable |
| Upper/lower flammability or Explosive limits | Not established |
| Vapor pressure | Not established |
| Vapor density | Not established |
| Specific gravity/density | 0.990-1.002 |
| Solubility in water | Complete |
| Partition coefficient: | Not established |
| Auto ignition temperature | Not established |
| Decomposition temperature | Not established |
| Stability and Reactivity | Stable and non reactive under normal use and storage conditions. |
| VOC | < 1% |
| % Volatile | Approx. 90% |

Other safety Information

10. Stability and Reactivity

| | |
|----------------------------------|--|
| Reactivity | Not reactive under normal use and storage. |
| Chemical Stability | Stable under normal storage conditions. |
| Hazardous reactions | None known. |
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Strong acids and oxidizers. |
| Hazardous decomposition products | May include but not limited to oxides of carbon, nitrogen, and oxides of sulfur. |
| Hazardous polymerization | Will not occur. |

11. Toxicological Information

| | |
|--|---|
| Ingredients | LC50 |
| Alcohols,C6-C10, ethoxylated, propoxylated | > 50mg/l (Inhalation-rat) 4 hours estimated |
| Alcohols,C9-C11, ethoxylated | No data available |
| Terpene hydrocarbons | No data available |
| Diethylene glycol n butyl ether | No data available |
| | |
| Ingredients | LD50 |
| Alcohols,C6-C10, ethoxylated, propoxylated | 2745 mg/kg (Oral-rat), > 2000mg/kg (dermal-rat) estimated |
| Alcohols,C9-C11, ethoxylated | 1400 mg/kg (Oral-rat), > 5000mg/kg (Dermal-rat) |
| Terpene hydrocarbons | 4400mg/kg)Oral-rat), > 5000 mg/kg (Dermal-rat) |
| | Draize test, rabbit, eye: No eye irritation -168 hours |
| Diethylene glycol n butyl ether | 5660 mg/kg (Oral-rat), 2700 mg/kg (Dermal-rabbit) |
| | Draize test, rabbit, eye: 20 mg/24 hour Moderate |
| | Draize test, rabbit, eye: 20 mg Severe |
| | |
| Effects of acute exposure | |
| Eye | Causes eye irritation |
| Skin | Causes mild irritation. |
| Inhalation | Not normally a route of entry. |
| Ingestion | May be harmful if swallowed. May cause stomach distress, nausea, or vomiting. |
| | |
| Sensitization | No data available. |
| Chronic effects of short and long term exposure | Prolonged exposure to skin may cause drying, defatting and irritation. |
| Carcinogenicity | . |
| Mutagenicity | Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA. |
| Reproductive effects | No data available. |
| Teratogenicity | No data available. |

12. Ecological Information

| | |
|--|---|
| Eco-toxicity | Components of this product have been identified as toxic with long lasting effects to the aquatic environmental. |
| | |
| Environmental effects | No data available. |
| Aquatic toxicity | |
| Alcohols,C6-C10, ethoxylated, propoxylated | LC50 Fish (primephales promelas): 1-10mg/l 96 hours EC50 Algae: 1-10 mg/l 48 hours EC50 Aquatic plants: 1-10 mg/l 120 hours |
| Alcohols,C9-C11, ethoxylated | LC50 Fish (fathead minnow): 6mg/l 96 hours EC50 Daphnia: 2.5mg/l 48 hours EC50 Algae: 0.95 mg/l |
| Terpene hydrocarbons | LC50 Fish (pimephales promelas): 0.702 mg/l 96 hours EC50 Daphnia: 0.421 mg/l 48 hours EC50 Algae: 1.81 mg/l |
| Diethylene glycol n butyl ether | LC50 Fish: 1300 mg/l 96 hours EC50 Daphnia: > 100 mg/l 48 hours EC50 Algae: > 100 mg/l 96 hours |
| | |
| Persistence and Degradability | No data available |
| Bioaccumulation/accumulation | No data available. |
| Partition coefficient | No data available. |
| Mobility in environmental media | No data available. |
| Chemical fate information | No data available. |
| Other adverse effects | No data available. |

13. Disposal Considerations

| | |
|--|---|
| Disposal instructions | Dispose in accordance with local, state, and federal regulations |
| Wastes from residues/unused Product | Containerize. Rinse area with water. Keep out of storm sewer/waterways. |
| Contaminated packaging | Dispose in accordance with all applicable regulations. |

14. Transport Information

| | |
|-------------------------------------|-------------------|
| Basic shipping requirements: | Not DOT regulated |
| Proper shipping name | |
| Hazard class | |
| UN number | |
| Packing group | |
| Special provisions | |

15. Regulatory Information

| | | |
|--|--|-------------------------------|
| U.S federal regulations | This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA HCS 2012. | |
| TSCA | All ingredients are listed on the Toxic Substances Control Act or are exempt from listing. | |
| CERCLA Super Fund 40CFR117.302 | Product contains a material with a Reportable Quantity (RQ): None | |
| SARA Title III Section 311&312 | Immediate (Acute) Health Hazard Alcohols, C6-C10, ethoxylated, propoxylated CAS#168987-81-5 Alcohols, C9-C11, ethoxylated CAS# 68439-46-3 Diethylene glycol n butyl ether CAS#112-34-5 | |
| SARA Title III Section 313 | Ingredients subject to the reporting requirements of Section 313: Diethylene glycol n butyl ether CAS# 112-34-5 | |
| California Proposition 65 | This product does not contain intentional ingredients known to the State of California to cause cancer, birth defects or reproductive effects. However trace amounts of Ethylene oxide (CAS#71-25-8) and Propylene oxide (CAS#75-56-9) may be present and are listed as possible carcinogens in the state of California. | |
| States Right to Know | Reportable Chemicals: | |
| Inventory Status | | |
| Countries | Inventory Name | On Inventory (Yes/No)* |
| U.S. | Chemical Inventory List | Yes |
| Canada | Domestic substances list | Yes |
| <ul style="list-style-type: none"> A "Yes" indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed. | | |

16. Other Information

HMIS RATING

HMIS LEGEND

| | |
|----------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | |

| | |
|---------------------|---|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |
| Personal Protection | B |

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

April 30, 2015

Supersedes date

Previous issues.

Reason for update

Conform to GHS OSHA HCS 2012.

Expiration date

April 30, 2018



SAFETY DATA SHEET

1. Product and Company Identification

| | |
|-----------------------------------|--|
| Product Name | BW STAIN-AWAY |
| Product Number | 3AI |
| Product Type | Mixture |
| Product Use | Acidic Spot Remover for carpets & upholstery |
| Manufacturer | CFR, A Division of Tacony Corporation 3101 Wichita Court Fort Worth, TX 76140-1710 |
| Company Contact | 1-800-533-2557 or website www.cfrcorp.com |
| Emergency Telephone Number | 1-800-270-5201 |

2. Hazards Identification

GHS Classification in accordance with 29CFR 1910 OSHA HCS

Corrosive to metals, (Category 1) H290
Skin corrosion/irritation, (Category 1) H314
Acute Aquatic toxicity (Category 3) H402
Chronic aquatic toxicity (Category 3) H412

GHS Label elements, including precautionary statements

Pictogram



Signal Word

Danger

Hazard Statements

H290 May be corrosive to metals
H314 Causes severe skin burns and eye damage.
H402 Harmful to aquatic life
H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention

P234 Keep only in original packaging.
P260 Do not breathe mists or vapors.
P264 Wash and rinse hands and exposed skin after handling concentrated product.
P280 Wear protective gloves, protective clothing, eye protection/face protection.
P273 Avoid release to the environment.

Response

P390 Absorb spillage to prevent material damage.
P301+P330+P331 IF SWALLOWED, rinse mouth, do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off all contaminated clothing. Rinse skin with water or shower.
P263 Wash contaminated clothing before reuse.
P304+P340 IF INHALED, remove person to fresh air and keep comfortable for breathing.
P310 Immediately call a POISON CENTER/doctor
P332+P313 If skin irritation occurs, get medical attention.
P305+P351+P338 IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists, get medical attention.

**Storage/Disposal**

P405

P501

Store locked up.

Dispose of contents/container in accordance with local, regional and federal regulations

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

| Hazardous Components | CAS# | Classification | % |
|--|-------------|----------------|------|
| Alcohols,C6-C10, ethoxylated propoxylated | 168987-81-5 | H319, H402 | 1-8% |
| Citric acid, anhydrous | 77-92-9 | H319 | 1-6% |
| 1-Hydroxyethylidene-1, 1-diphosphonic acid | 2809-21-4 | H290, H318 | 1-5% |
| Gluconic acid | 526-95-4 | H314, H318 | 1-5% |

4. First Aid Measures

Description of First Aid Procedures**In case of Eye Contact**

Flush with cool running water for 15 minutes. Remove contact lenses if easy to do. Seek immediate medical attention.

In case of Skin Contact

Flush with cool water, Wash with soap and water, If irritation occurs, get medical attention.

If Inhaled

If symptoms develop, move to fresh air. If symptoms persist, get medical attention

If IngestedRinse mouth with water. Drink one or two glasses of water. **Do not induce vomiting.** Obtain immediate medical attention. Never give anything by mouth to an unconscious person.**.Notes to Physician**

Symptoms may be delayed.

General advice

Seek medical attention if feeling unwell. Show the SDS to the physician in attendance.

5. Fire-fighting Measures

Flammable properties

Not flammable

Extinguishing media

Treat for surrounding material.

Protection of firefighters

Firefighters should wear protective clothing including self contained breathing apparatus

Hazardous combustion products

May include and not limited to oxides of carbon, nitrogen.

Unusual Fire, Explosion hazards

None known.

6. Accidental Release Measures

Personal precautions

Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing. Stay upwind of spills or leaks.

Methods for containment

Stop leak if you can do so without risk. Prevent entry into waterways, sewers.

Methods for cleaning up

Before attempting clean up refer to hazard data given above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or water ways. Dike spill.



Absorb spill with non reactive absorbent and place in a suitable, covered, labeled container for disposal. Never return spill to original container for reuse.
Avoid release to the environment.

Environmental Precautions

7. Handling and Storage

**Precautions for Safe Handling
Conditions for Safe Storage**

Use good industrial hygiene practices when handling this material
Keep out of reach of children. Keep from freezing, store in a cool dry place away from incompatible materials.

8. Exposure Controls and Personal Protection

Exposure limits

| Ingredients | CAS-No | OSHA PEL | ACGIH TLV |
|--|-------------|---------------|--------------------------|
| Alcohols, C6-C10, ethoxylated propoxylated | 168987-81-5 | Not available | Not available |
| Citric acid, anhydrous | 77-92-9 | Not available | TWA: 10mg/m ³ |
| 1-Hydroxyethylidene-1, 1-diphosphonic acid | 2809-21-4 | Not available | Not available |
| Gluconic acid | 526-95-4 | Not available | Not available |

Engineering controls

General ventilation normally adequate

Personal protective equipment

Eye/Face protection

Wear safety glasses with side shields if splash conditions exist.

Hand protection

Rubber or nitrile gloves.

Skin and body

As required by employer code.

Respiratory protection

Use a NIOSH approved respirator when exposure guidelines are exceeded.

General hygiene considerations

Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|---|--|
| Appearance/form | Clear liquid |
| Color | Light straw to colorless |
| Odor | Fresh air |
| Odor threshold | Not established |
| pH | 3.0-3.4 (Concentrate) |
| Melting point/freezing point | Not established |
| Initial Boiling point | > 212° F. (100° C.) |
| Flash point | > 200° F. (93° C.) Estimated |
| Evaporation rate | Not established |
| Flammability | Not flammable |
| Upper/lower flammability or Explosive limits | Not established |
| Vapor pressure | Not established |
| Vapor density | Not established |
| Specific gravity/density | 1.08-1.11 |
| Solubility in water | Complete |
| Partition coefficient: | Not established |
| Auto ignition temperature | Not established |
| Decomposition temperature | Not established |
| Stability and Reactivity | Stable and non reactive under normal use and storage conditions. |
| VOC | < 1% |
| % Volatile | Approx. 75% |

Other safety Information

10. Stability and Reactivity

| | |
|---|---|
| Reactivity | Not reactive under normal use and storage. |
| Chemical Stability | Stable under normal storage conditions. |
| Hazardous reactions | None known. |
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Caustics, reducing agents, metals, and oxidizers. |
| Hazardous decomposition products | May include but not limited to oxides of carbon, nitrogen, and oxides of phosphorous. |
| Hazardous polymerization | Will not occur. |

11. Toxicological Information

| | |
|--|-----------------------|
| Ingredients | LC50 |
| Alcohols,C6-C10, ethoxylated propoxylated | > 50 mg/l rat 4 hours |
| Citric acid, anhydrous | No data available |
| 1-Hydroxyethylidene-1, 1-diphosphonic acid | No data available |
| Gluconic acid | No data available |

| | |
|--|--|
| Ingredients | LD50 |
| Alcohols,C6-C10, ethoxylated propoxylated | 2745 mg/kg (Oral-rat), > 2,000 mg/kg (Dermal-rabbit) |
| Citric acid, anhydrous | 5,400 mg/kg (Oral-rat), >2,000 mg/kg (Dermal-rabbit) |
| 1-Hydroxyethylidene-1, 1-diphosphonic acid | No data available |
| Gluconic acid | No data available |

Effects of acute exposure

| | |
|-------------------|---|
| Eye | Causes severe skin burns |
| Skin | Causes eye damage. |
| Inhalation | May be irritating to the respiratory tract. |
| Ingestion | May be harmful if swallowed. May cause stomach distress, nausea, or vomiting. |

| | |
|--|---|
| Sensitization | No data available. |
| Chronic effects of short and long term exposure | No data available. |
| Carcinogenicity | Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA. |
| Mutagenicity | No data available. |
| Reproductive effects | No data available. |
| Teratogenicity | No data available. |

12. Ecological Information

Eco-toxicity Components of this product have been identified as toxic with long lasting effects to the aquatic environmental. The low pH of the product would be expected to produce significant eco-toxicity upon exposure to aquatic organisms.

Environmental effects No data available.

| | |
|--|---|
| Aquatic toxicity | |
| Alcohols,C6-C10, ethoxylated, propoxylated | LC50 Fish (primephales promelas): 1-10mg/l 96 hours EC50 Algae: 1-10 mg/l 48 hours EC50 Aquatic plants: 1-10 mg/l 120 hours |
| Citric acid | LC50 Fish (Leuciscus idus melanotus): 440 mg/l 48 hours LC50 Water Flea (Daphnia Magnus): 1,535 mg/l 24 hours |



| | |
|--|--------------------|
| Persistence and Degradability | No data available |
| Bioaccumulation/accumulation | No data available. |
| Partition coefficient | No data available. |
| Mobility in environmental media | No data available. |
| Chemical fate information | No data available. |
| Other adverse effects | No data available. |

13. Disposal Considerations

| | |
|--|---|
| Disposal instructions | Dispose in accordance with local, state, and federal regulations |
| Wastes from residues/unused Product | Containerize. Rinse area with water. Keep out of storm sewer/waterways. |
| Contaminated packaging | Dispose in accordance with all applicable regulations. |

14. Transport Information

| | |
|-------------------------------------|-------------------|
| Basic shipping requirements: | Not DOT regulated |
| Proper shipping name | |
| Hazard class | |
| UN number | |
| Packing group | |
| Special provisions | |

15. Regulatory Information

| | | |
|---|--|--|
| U.S federal regulations | This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA HCS 2012. | |
| TSCA | All ingredients are listed on the Toxic Substances Control Act or are exempt from listing. | |
| CERCLA Super Fund 40CFR117.302 | Product contains a material with a Reportable Quantity (RQ): None | |
| SARA Title III Section 311&312 | Immediate (Acute) Health Hazard Alcohols, C6-C10, ethoxylated propoxylated CAS#168987-81-5 Citric acid CAS#77-92-9 1-Hydroxyethylidene-1, 1-diphosphonic acid CAS#2809-21-4 | |
| SARA Title III Section 313 | Ingredients subject to the reporting requirements of Section 313: None | |
| California Proposition 65 | This product does not contain intentional ingredients known to the State of California to cause cancer, birth defects or reproductive effects. However trace amounts of Ethylene oxide (CAS#71-25-8) and Propylene oxide (CAS#75-56-9) may be present and are listed as possible carcinogens in the state of California. | |
| States Right to Know | Reportable Chemicals: 1-Hydroxyethylidene-1, 1-diphosphonic acid CAS#2809-21-4 Gluconic acid CAS#526-95-4 Citric acid CAS#77-92-9 | |

| Inventory Status | Inventory Name | On Inventory (Yes/No)* |
|-------------------------|--------------------------|-------------------------------|
| Countries | | |
| U.S. | Chemical Inventory List | Yes |
| Canada | Domestic substances list | Yes |



- A δYesö indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.

16. Other Information

HMIS RATING

HMIS LEGEND

| | |
|----------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | |

| | |
|---------------------|---|
| Health | 2 |
| Flammability | 0 |
| Reactivity | 0 |
| Personal Protection | B |

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

May 4, 2015

Supersedes date

Previous issues.

Reason for update

Conform to GHS OSHA HCS 2012.

Expiration date

May 4, 2018



SAFETY DATA SHEET

1. Product and Company Identification

| | |
|-----------------------------------|--|
| Product Name | DEFOAM |
| Product Number | 3AE |
| Product Type | Mixture |
| Product Use | Defoamer for use in carpet & upholstery cleaning. |
| Manufacturer | CFR, A Division of Tacony Corporation 3101 Wichita Court Fort Worth, TX 76140-1710 |
| Company Contact | 1-800-533-2557 or website www.cfrcorp.com |
| Emergency Telephone Number | 1-800-270-5201 |

2. Hazards Identification

GHS Classification in accordance with 29CFR 1910 OSHA HCS

Reproductive toxicity (Category 2) H361

Hazardous to the aquatic environment-long term chronic hazard (Category 4) H413

GHS Label elements, including precautionary statements

Pictogram None required

Signal Word Warning

Hazard Statements

H361 Suspected of damaging fertility or the unborn child

H413 May cause long lasting harmful effects to aquatic life.

Precautionary Statements

Prevention

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P273 Avoid release to the environment.

P280 Wear protective gloves, eye protection/face protection

Response

P308+P313 If exposed, or concerned, call a POISON CENTER/doctor

Storage/Disposal

P405 Store locked up.

P501 Dispose of contents/container in accordance with local, regional and federal regulations

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

| Hazardous Components | CAS# | Classification | % |
|------------------------------|----------|------------------|-------|
| Octamethylcyclotetrasiloxane | 556-67-2 | H226, H361, H413 | <0.5% |

4. First Aid Measures

Description of First Aid Procedures

| | |
|--------------------------------|--|
| In case of Eye Contact | Flush with cool running water for 15 minutes. If irritation persists, get medical attention. |
| In case of Skin Contact | Flush with cool water, Wash with soap and water. If irritation persists, get medical Attention. |
| If Inhaled | If symptoms develop, move to fresh air. If symptoms persist, get medical attention |
| If Ingested | Rinse mouth with water. Drink one or two glasses of water. Do not induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person. |
| .Notes to Physician | Symptoms may be delayed. |
| General advice | Seek medical attention if feeling unwell. Show the SDS to the physician in attendance. |

5. Fire-fighting Measures

| | |
|--|---|
| Flammable properties | Not flammable |
| Extinguishing media | Treat for surrounding material. |
| Protection of firefighters | Firefighters should wear protective clothing including self contained breathing apparatus |
| Hazardous combustion products | May include and not limited to oxides of carbon, ammonia and hydrogen chloride. |
| Unusual Fire, Explosion hazards | None known. |

6. Accidental Release Measures

| | |
|----------------------------------|--|
| Personal precautions | Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing. Stay upwind of spills or leaks. |
| Methods for containment | Stop leak if you can do so without risk. Prevent entry into waterways, sewers. |
| Methods for cleaning up | Before attempting clean up refer to hazard data given above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or water ways. Dike spill. Absorb spill with non reactive absorbent and place in a suitable, covered, labeled container for disposal. Never return spill to original container for reuse. |
| Environmental Precautions | Avoid release to the environment. |

7. Handling and Storage

| | |
|--------------------------------------|--|
| Precautions for Safe Handling | Use good industrial hygiene practices when handling this material |
| Conditions for Safe Storage | Keep out of reach of children. Keep from freezing, store in a cool dry place away from incompatible materials. |

8. Exposure Controls and Personal Protection

| | | | |
|------------------------------|---------------|-----------------|------------------|
| Exposure limits | | | |
| Ingredients: | CAS-No | OSHA PEL | ACGIH TLV |
| Octamethylcyclotetrasiloxane | 556-67-2 | Not available | Not available. |



| | |
|---------------------------------------|--|
| Engineering controls | General ventilation normally adequate |
| Personal protective equipment | |
| Eye/Face protection | Wear safety glasses with side shields if splash conditions exist. |
| Hand protection | Rubber or nitrile gloves. |
| Skin and body | As required by employer code. |
| Respiratory protection | Use a NIOSH approved respirator when exposure guidelines are exceeded. |
| General hygiene considerations | Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product. |

9. Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|---|--|
| Appearance/form | Emulsion |
| Color | Light blue |
| Odor | Odorless |
| Odor threshold | Not established |
| pH | 6-8 (Concentrate) |
| Melting point/freezing point | Not established |
| Initial Boiling point | > 212° F. (100° C.) |
| Flash point | > 200° F. (93° C.) Estimated. |
| Evaporation rate | Not established |
| Flammability | Not flammable |
| Upper/lower flammability or Explosive limits | Not established |
| Vapor pressure | Not established |
| Vapor density | Not established |
| Specific gravity/density | 0.98-1.01 |
| Solubility in water | Dispersible |
| Partition coefficient: | Not established |
| Auto ignition temperature | Not established |
| Decomposition temperature | Not established |
| Stability and Reactivity | Stable and non reactive under normal use and storage conditions. |
| VOC | < 1% |
| % Volatile | Approx. 97% |

Other safety Information

10. Stability and Reactivity

| | |
|---|--|
| Reactivity | Not reactive under normal use and storage. |
| Chemical Stability | Stable under normal storage conditions. |
| Hazardous reactions | None known. |
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Strong acids and caustic materials. |
| Hazardous decomposition products | May include but not limited to oxides of carbon, nitrogen. |
| Hazardous polymerization | Will not occur. |

11. Toxicological Information

| | |
|------------------------------|---|
| Ingredients | LC50 |
| Octamethylcyclotetrasiloxane | 36,000 mg/m ³ rat 4 hours |
| Ingredients | LD50 |
| Octmethylcyclotetrasiloxane | >2,000 mg/kg (Oral-rat), > 4,640 mg/kg (Dermal- rabbit) |



Effects of acute exposure

| | |
|--|---|
| Eye | None expected. |
| Skin | None expected. |
| Inhalation | None expected |
| Ingestion | Suspected of damaging fertility or the unborn child. |
| Sensitization | No data available. |
| Chronic effects of short and long term exposure | Prolonged exposure to skin may cause drying, defatting and irritation. |
| Carcinogenicity | Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA. |
| Mutagenicity | No data available |
| Reproductive effects | No data available. |
| Teratogenicity | No data available |

12. Ecological Information

| | |
|--|---|
| Eco-toxicity | Components of this product have been identified as toxic with long lasting effects to the aquatic environmental. |
| Environmental effects | No data available. |
| Aquatic toxicity | |
| Octamethylcyclotetrasiloxane | LC50 Fish (Leuciscus idus): 200 mg/l 96 hour EC50 Water flea (Daphnia magna): > 0.015 mg/l 48 hour EC50 Green algae: 0.022 mg/l 48 hour |
| Persistence and Degradability | No data available |
| Bioaccumulation/accumulation | No data available. |
| Partition coefficient | No data available. |
| Mobility in environmental media | No data available. |
| Chemical fate information | No data available. |
| Other adverse effects | No data available. |

13. Disposal Considerations

| | |
|--|---|
| Disposal instructions | Dispose in accordance with local, state, and federal regulations |
| Wastes from residues/unused Product | Containerize. Rinse area with water. Keep out of storm sewer/waterways. |
| Contaminated packaging | Dispose in accordance with all applicable regulations. |

14. Transport Information

| | |
|-------------------------------------|-------------------|
| Basic shipping requirements: | Not DOT regulated |
| Proper shipping name | |
| Hazard class | |
| UN number | |
| Packing group | |
| Special provisions | |

15. Regulatory Information

| | | |
|--|--|-------------------------------|
| U.S federal regulations | This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA HCS 2012. | |
| TSCA | All ingredients are listed on the Toxic Substances Control Act or are exempt from listing. | |
| CERCLA Super Fund 40CFR117.302 | Product contains a material with a Reportable Quantity (RQ): None | |
| SARA Title III Section 311&312 | Immediate (Acute) Health Hazard Octamethylcyclotetrasiloxane (CAS#556-67-2) | |
| SARA Title III Section 313 | Ingredients subject to the reporting requirements of Section 313: None | |
| California Proposition 65 | This product does not contain ingredients known to the State of California to cause cancer, birth defects or reproductive effects. | |
| States Right to Know | Reportable Chemicals: Octamethylcyclotetrasiloxane (CAS#556-67-2) | |
| Inventory Status | Inventory Name | On Inventory (Yes/No)* |
| Countries | | |
| U.S. | Chemical Inventory List | Yes |
| Canada | Domestic substances list | Yes |
| <ul style="list-style-type: none"> A öYesö indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed. | | |

16. Other Information

HMIS RATING

HMIS LEGEND

| | |
|----------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | |

| | |
|---------------------|---|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |
| Personal Protection | B |

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

May 3, 2015

Supersedes date

Previous issues.

Reason for update

Conform to GHS OSHA HCS 2012.

Expiration date

May 3, 2018



SAFETY DATA SHEET

1. Product and Company Identification

| | |
|-----------------------------------|--|
| Product Name | DEO REO 40 |
| Product Number | 3AS |
| Product Type | Mixture |
| Product Use | Deodorizer and odorant for carpets & upholstery |
| Manufacturer | CFR, A Division of Tacony Corporation 3101 Wichita Court Fort Worth, TX 76140-1710 |
| Company Contact | 1-800-533-2557 or website www.cfrcorp.com |
| Emergency Telephone Number | 1-800-270-5201 |

2. Hazards Identification

GHS Classification in accordance with 29CFR 1910 OSHA HCS

Specific target organ systemic toxicity, single exposure (Category 2) H371

GHS Label elements, including precautionary statements

| | |
|---|---|
| Pictogram | None required |
| Signal Word | Warning |
| Hazard Statements H371 | Inhalation or ingestion may cause respiratory irritation, or central nervous system depression. May also cause liver disorders. |
| Precautionary Statements | |
| Prevention P260 P264 P270 | Do not breath fumes, vapors, mists or spray from product. Wash and rinse hands and exposed skin after handling concentrated product. Do not eat, drink, or smoke when using this product, |
| Response P308 | If exposed, or concerned, call a POISON CENTER/doctor |
| Storage/Disposal P405 P501 | Store locked up. Dispose of contents/container in accordance with local, regional and federal regulations |

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

| Hazardous Components | CAS# | Classification | % |
|----------------------|---------|----------------|-------|
| Ethanol | 64-17-5 | H225, H371 | <0.3% |

4. First Aid Measures

Description of First Aid Procedures

| | |
|--------------------------------|--|
| In case of Eye Contact | Flush with cool running water for 15 minutes. If irritation persists, get medical attention. |
| In case of Skin Contact | Flush with cool water, Wash with soap and water. If irritation persists, get medical Attention. |
| If Inhaled | If symptoms develop, move to fresh air. If symptoms persist, get medical attention |
| If Ingested | Rinse mouth with water. Drink one or two glasses of water. Do not induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person. |
| .Notes to Physician | Symptoms may be delayed. |
| General advice | Seek medical attention if feeling unwell. Show the SDS to the physician in attendance. |

5. Fire-fighting Measures

| | |
|--|---|
| Flammable properties | Not flammable |
| Extinguishing media | Treat for surrounding material. |
| Protection of firefighters | Firefighters should wear protective clothing including self contained breathing apparatus |
| Hazardous combustion products | May include and not limited to oxides of carbon, ammonia and hydrogen chloride. |
| Unusual Fire, Explosion hazards | None known. |

6. Accidental Release Measures

| | |
|----------------------------------|--|
| Personal precautions | Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing. Stay upwind of spills or leaks. |
| Methods for containment | Stop leak if you can do so without risk. Prevent entry into waterways, sewers. |
| Methods for cleaning up | Before attempting clean up refer to hazard data given above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or water ways. Dike spill. Absorb spill with non reactive absorbent and place in a suitable, covered, labeled container for disposal. Never return spill to original container for reuse. |
| Environmental Precautions | Avoid release to the environment. |

7. Handling and Storage

| | |
|--------------------------------------|--|
| Precautions for Safe Handling | Use good industrial hygiene practices when handling this material |
| Conditions for Safe Storage | Keep out of reach of children. Keep from freezing, store in a cool dry place away from incompatible materials. |

8. Exposure Controls and Personal Protection

| | | | |
|------------------------|---------------|-----------------|------------------|
| Exposure limits | | | |
| Ingredients | CAS-No | OSHA PEL | ACGIH TLV |
| Ethanol | 64-17-5 | Not available | TWA: 1000 ppm. |



| | |
|---------------------------------------|--|
| Engineering controls | General ventilation normally adequate |
| Personal protective equipment | |
| Eye/Face protection | Wear safety glasses with side shields if splash conditions exist. |
| Hand protection | Rubber or nitrile gloves. |
| Skin and body | As required by employer code. |
| Respiratory protection | Use a NIOSH approved respirator when exposure guidelines are exceeded. |
| General hygiene considerations | Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product. |

9. Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|---|--|
| Appearance/form | Clear liquid |
| Color | Colorless |
| Odor | Mango |
| Odor threshold | Not established |
| pH | Not established |
| Melting point/freezing point | Not established |
| Initial Boiling point | > 212° F. (100° C.) |
| Flash point | > 200° F. (93° C.) Estimated. |
| Evaporation rate | Not established |
| Flammability | Not flammable |
| Upper/lower flammability or Explosive limits | Not established |
| Vapor pressure | Not established |
| Vapor density | Not established |
| Specific gravity/density | 0.96-1.01 |
| Solubility in water | Complete |
| Partition coefficient: | Not established |
| Auto ignition temperature | Not established |
| Decomposition temperature | Not established |
| Stability and Reactivity | Stable and non reactive under normal use and storage conditions. |
| VOC | < 1% |
| % Volatile | Approx. 97% |

Other safety Information

10. Stability and Reactivity

| | |
|---|--|
| Reactivity | Not reactive under normal use and storage. |
| Chemical Stability | Stable under normal storage conditions. |
| Hazardous reactions | None known. |
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Strong acids and oxidizers. |
| Hazardous decomposition products | May include but not limited to oxides of carbon, ammonia, hydrogen chloride. |
| Hazardous polymerization | Will not occur. |

11. Toxicological Information

| | |
|--------------------|-----------------------|
| Ingredients | LC50 |
| Ethanol | 31,623 ppm rat |
| Ingredients | LD50 |
| Ethanol | 7060 mg/kg (Oral-rat) |



Effects of acute exposure

Eye

May cause eye irritation

Skin

May cause mild irritation.

Inhalation or Ingestion

May cause respiratory irritation, or central nervous system depression. May also cause liver disorders.

Sensitization

No data available.

Chronic effects of short and long term exposure

Prolonged exposure to skin may cause drying, defatting and irritation.

Carcinogenicity

Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA.

Mutagenicity

Mutagenic effects were observed in somatic and reproductive cells of live animals exposed to high doses of ethanol.

Reproductive effects

No data available.

Teratogenicity

Animal studies demonstrate that ingestion of ethanol can cause embryotoxicity, teratogenicity and fetotoxicity in the presence of maternal toxicity.

12. Ecological Information

Eco-toxicity

Components of this product have been identified as toxic with long lasting effects to the aquatic environmental.

Environmental effects

No data available.

Aquatic toxicity

Ethanol

LC50 Fish (*Oncorhynchus mykiss*): 12.0-16.0 mg/l 96 hour static

LC50 Water flea (*Daphnia magna*): 10,800 mg/l 24 hour

LC50 Water flea (*Daphnia magna*): 9268 mg/l 28 hour

Persistence and Degradability

No data available

Bioaccumulation/accumulation

No data available.

Partition coefficient

No data available.

Mobility in environmental media

No data available.

Chemical fate information

No data available.

Other adverse effects

No data available.

13. Disposal Considerations

Disposal instructions

Dispose in accordance with local, state, and federal regulations

Wastes from residues/unused Product

Containerize. Rinse area with water. Keep out of storm sewer/waterways.

Contaminated packaging

Dispose in accordance with all applicable regulations.

14. Transport Information

Basic shipping requirements:

Not DOT regulated

Proper shipping name

Hazard class

UN number

Packing group

Special provisions



15. Regulatory Information

| | |
|---|---|
| U.S federal regulations | This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA HCS 2012. |
| TSCA | All ingredients are listed on the Toxic Substances Control Act or are exempt from listing. |
| CERCLA Super Fund 40CFR117.302 | Product contains a material with a Reportable Quantity (RQ): None |
| SARA Title III Section 311&312 | Immediate (Acute) Health Hazard Ethanol (CAS#64-17-5) |
| SARA Title III Section 313 | Ingredients subject to the reporting requirements of Section 313: None |
| California Proposition 65 | This product does contain ingredients known to the State of California to cause cancer, birth defects or reproductive effects: Ethanol (CAS#64-17-5) and trace amounts of methanol (CAS#67-56-1). |
| States Right to Know | Reportable Chemicals: Ethanol (CAS#64-17-5) |

Inventory Status

| Countries | Inventory Name | On Inventory (Yes/No)* |
|-----------|--------------------------|------------------------|
| U.S. | Chemical Inventory List | Yes |
| Canada | Domestic substances list | Yes |

- A δYesö indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.

16. Other Information

HMIS RATING

HMIS LEGEND

| | |
|----------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | |

| | |
|---------------------|---|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |
| Personal Protection | B |

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

Supersedes date

Reason for update

Expiration date

May 3, 2015

Previous issues.

Conform to GHS OSHA HCS 2012.

May 3, 2018



SAFETY DATA SHEET

1. Product and Company Identification

| | |
|-----------------------------------|--|
| Product Name | ENZ-OUT |
| Product Number | 3AD |
| Product Type | Mixture |
| Product Use | Enzyme based Spot Remover for carpets & upholstery |
| Manufacturer | CFR, A Division of Tacony Corporation 3101 Wichita Court Fort Worth, TX 76140-1710 |
| Company Contact | 1-800-533-2557 or website www.cfrcorp.com |
| Emergency Telephone Number | 1-800-270-5201 |

2. Hazards Identification

GHS Classification in accordance with 29CFR 1910 OSHA HCS

Serious eye damage/eye irritation, (Category 2B) H320
Acute Aquatic toxicity (Category 3) H402

GHS Label elements, including precautionary statements

Pictogram None required

Signal Word Warning

Hazard Statements

H320 Causes eye irritation.
H402 Harmful to aquatic life

Precautionary Statements

Prevention

P264 Wash and rinse hands and exposed skin after handling concentrated product.
P273 Avoid release to the environment.

Response

P305+P351+P338 IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists, get medical attention.

Storage/Disposal

P501 Dispose of contents/container in accordance with local, regional and federal regulations

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

| Hazardous Components | CAS# | Classification | % |
|---|-------------|----------------|------|
| Alcohols, C6-C10, ethoxylated propoxylated | 168987-81-5 | H319, H402 | 1-5% |
| Enz-Out contains Alpha Amylase and Protease Enzymes. Not considered hazardous per 29CFR 1910.1200 | | | |

4. First Aid Measures

Description of First Aid Procedures

| | |
|--------------------------------|--|
| In case of Eye Contact | Flush with cool running water for 15 minutes. If irritation persists, get medical attention. |
| In case of Skin Contact | Flush with cool water, Wash with soap and water, If irritation persists, get medical Attention. |
| If Inhaled | If symptoms develop, move to fresh air. If symptoms persist, get medical attention |
| If Ingested | Rinse mouth with water. Drink one or two glasses of water. Do not induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person. |
| .Notes to Physician | Symptoms may be delayed. |
| General advice | Seek medical attention if feeling unwell. Show the SDS to the physician in attendance. |

5. Fire-fighting Measures

| | |
|--|---|
| Flammable properties | Not flammable |
| Extinguishing media | Treat for surrounding material. |
| Protection of firefighters | Firefighters should wear protective clothing including self contained breathing apparatus |
| Hazardous combustion products | May include and not limited to oxides of carbon, nitrogen, and oxides of sulfur. |
| Unusual Fire, Explosion hazards | None known. |

6. Accidental Release Measures

| | |
|----------------------------------|--|
| Personal precautions | Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing. Stay upwind of spills or leaks. |
| Methods for containment | Stop leak if you can do so without risk. Prevent entry into waterways, sewers. |
| Methods for cleaning up | Before attempting clean up refer to hazard data given above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or water ways. Dike spill. Absorb spill with non reactive absorbent and place in a suitable, covered, labeled container for disposal. Never return spill to original container for reuse. |
| Environmental Precautions | Avoid release to the environment. |

7. Handling and Storage

| | |
|--------------------------------------|--|
| Precautions for Safe Handling | Use good industrial hygiene practices when handling this material |
| Conditions for Safe Storage | Keep out of reach of children. Keep from freezing, store in a cool dry place away from incompatible materials. |

8. Exposure Controls and Personal Protection

| | | | |
|--|---------------|-----------------|------------------|
| Exposure limits | | | |
| Ingredients | CAS-No | OSHA PEL | ACGIH TLV |
| Alcohols, C6-C10, ethoxylated propoxylated | 168987-81-5 | Not available | Not available |



| | |
|---------------------------------------|--|
| Engineering controls | General ventilation normally adequate |
| Personal protective equipment | |
| Eye/Face protection | Wear safety glasses with side shields if splash conditions exist. |
| Hand protection | Rubber or nitrile gloves. |
| Skin and body | As required by employer code. |
| Respiratory protection | Use a NIOSH approved respirator when exposure guidelines are exceeded. |
| General hygiene considerations | Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product. |

9. Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|---|--|
| Appearance/form | Clear liquid |
| Color | Colorless |
| Odor | Odorless |
| Odor threshold | Not established |
| pH | 7.0-8.0 (Concentrate) |
| Melting point/freezing point | Not established |
| Initial Boiling point | > 212° F. (100° C.) |
| Flash point | None |
| Evaporation rate | Not established |
| Flammability | Not flammable |
| Upper/lower flammability or Explosive limits | Not established |
| Vapor pressure | Not established |
| Vapor density | Not established |
| Specific gravity/density | 1.0-1.05 |
| Solubility in water | Complete |
| Partition coefficient: | Not established |
| Auto ignition temperature | Not established |
| Decomposition temperature | Not established |
| Stability and Reactivity | Stable and non reactive under normal use and storage conditions. |
| VOC | < 1% |
| % Volatile | Approx. 95% |

Other safety Information

10. Stability and Reactivity

| | |
|---|--|
| Reactivity | Not reactive under normal use and storage. |
| Chemical Stability | Stable under normal storage conditions. |
| Hazardous reactions | None known. |
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Acids and oxidizers. |
| Hazardous decomposition products | May include but not limited to oxides of carbon. |
| Hazardous polymerization | Will not occur. |

11. Toxicological Information

| | |
|---|---|
| Ingredients | LC50 |
| Alcohols,C6-C10, ethoxylated propoxylated | > 50mg/l (Inhalation-rat) 4 hours estimated |
| Ingredients | LD50 |
| Alcohols,C6-C10, ethoxylated propoxylated | 2745 mg/kg (Oral-rat), > 2000mg/kg (dermal-rat) estimated |



Effects of acute exposure

| | |
|-------------------|---|
| Eye | Causes eye irritation |
| Skin | May cause mild or transient irritation. |
| Inhalation | Not normally a route of entry. |
| Ingestion | May be harmful if swallowed. May cause stomach distress, nausea, or vomiting. |

| | |
|--|---|
| Sensitization | No data available. |
| Chronic effects of short and long term exposure | Prolonged exposure to skin may cause drying, defatting and irritation. |
| Carcinogenicity | Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA. |
| Mutagenicity | No data available. |
| Reproductive effects | No data available. |
| Teratogenicity | No data available. |

12. Ecological Information

| | |
|---------------------|--|
| Eco-toxicity | Components of this product have been identified as harmful to the aquatic environmental. |
|---------------------|--|

| | |
|------------------------------|--------------------|
| Environmental effects | No data available. |
|------------------------------|--------------------|

| | |
|--|---|
| Aquatic toxicity | |
| Alcohols,C6-C10, ethoxylated, propoxylated | LC50 Fish (primephales promelas): 1-10mg/l 96 hours EC50 Algae: 1-10 mg/l 48 hours EC50 Aquatic plants: 1-10 mg/l 120 hours |

| | |
|--|--------------------|
| Persistence and Degradability | No data available |
| Bioaccumulation/accumulation | No data available. |
| Partition coefficient | No data available. |
| Mobility in environmental media | No data available. |
| Chemical fate information | No data available. |
| Other adverse effects | No data available. |

13. Disposal Considerations

| | |
|--|---|
| Disposal instructions | Dispose in accordance with local, state, and federal regulations |
| Wastes from residues/unused Product | Containerize. Rinse area with water. Keep out of storm sewer/waterways. |
| Contaminated packaging | Dispose in accordance with all applicable regulations. |

14. Transport Information

| | |
|-------------------------------------|-------------------|
| Basic shipping requirements: | Not DOT regulated |
| Proper shipping name | |
| Hazard class | |
| UN number | |
| Packing group | |
| Special provisions | |

15. Regulatory Information

| | |
|--------------------------------|--|
| U.S federal regulations | This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA HCS 2012. |
|--------------------------------|--|



TSCA All ingredients are listed on the Toxic Substances Control Act or are exempt from listing.

CERCLA Super Fund 40CFR117.302 Product contains a material with a Reportable Quantity (RQ): None

SARA Title III Section 311&312 Immediate (Acute) Health Hazard
Alcohols, C6-C10, ethoxylated propoxylated CAS#168987-81-5

SARA Title III Section 313 Ingredients subject to the reporting requirements of Section 313: None

California Proposition 65 This product does not contain intentional ingredients known to the State of California to cause cancer, birth defects or reproductive effects. However trace amounts of Ethylene oxide (CAS#71-25-8) and Propylene oxide (CAS#75-56-9) may be present and are listed as possible carcinogens in the state of California.

States Right to Know Reportable Chemicals: None

Inventory Status

| Countries | Inventory Name | On Inventory (Yes/No)* |
|-----------|--------------------------|------------------------|
| U.S. | Chemical Inventory List | Yes |
| Canada | Domestic substances list | Yes |

- A Yes indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.

16. Other Information

HMIS RATING

HMIS LEGEND

Severe 4
 Serious 3
 Moderate 2
 Slight 1
 Minimal

Health 1
Flammability 0
Reactivity 0
Personal Protection B

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

May 4, 2015

Supersedes date

Previous issues.

Reason for update

Conform to GHS OSHA HCS 2012.

Expiration date

May 4, 2018



SAFETY DATA SHEET

1. Product and Company Identification

| | |
|-----------------------------------|--|
| Product Name | ENZ-SOIL ONE |
| Product Number | 3BK |
| Product Type | Mixture |
| Product Use | Powder carpet cleaner containing enzymes. |
| Manufacturer | CFR, A Division of Tacony Corporation 3101 Wichita Court Fort Worth, TX 76140-1710 |
| Company Contact | 1-800-533-2557 or website www.cfrcorp.com |
| Emergency Telephone Number | 1-800-270-5201 |

2. Hazards Identification

GHS Classification in accordance with 29CFR 1910 OSHA HCS

Skin corrosion/irritation, (Category 3) H316
Serious eye damage/eye irritation, (Category 2B) H320
Acute aquatic toxicity, (Category 3) H401

GHS Label elements, including precautionary statements

Pictogram None required

Signal Word Warning

Hazard Statements

H316 Causes mild skin irritation.
H320 Causes eye irritation.
H401 Toxic to aquatic life.

Precautionary Statements

Prevention

P264 Wash and rinse hands and exposed skin after handling concentrated product.
P273 Avoid release to the environment.

Response

P332+P313 If skin irritation occurs, get medical attention.
P305+P351+P338 IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists, get medical attention.

Storage/Disposal

P501 Dispose of contents/container in accordance with local, regional and federal regulations

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.



| Hazardous Components | CAS# | Classification | % |
|--|-------------|------------------|--------|
| Sodium Bicarbonate | 533-96-0 | H320 | 50-70% |
| Sodium Carbonate | 497-19-8 | H320 | 15-30% |
| Alcohols, C6-C10 ethoxylated propoxylated | 68987-81-5 | H319, H402 | 1-10% |
| Dodecydiphenyloxide disulfonate sodium salt* | 119345-04-9 | H316, H320, H401 | 1-3% |

Enz-Soil one contains alpha amylase and protease enzymes not considered hazardous per 29CFR1910.1200

*Tech name: Benzene, 1-1-oxybis-, tetrapropylene derives., sulfonated, sodium salts

4. First Aid Measures

Description of First Aid Procedures

| | |
|--------------------------------|--|
| In case of Eye Contact | Flush with cool running water for 15 minutes. If irritation persists, get medical attention. |
| In case of Skin Contact | Flush with cool water, Wash with soap and water, If irritation persists, get medical Attention. |
| If Inhaled | If symptoms develop, move to fresh air. If symptoms persist, get medical attention |
| If Ingested | Rinse mouth with water. Drink one or two glasses of water. Do not induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person. |
| .Notes to Physician | Symptoms may be delayed. |
| General advice | Seek medical attention if feeling unwell. Show the SDS to the physician in attendance. |

5. Fire-fighting Measures

| | |
|--|---|
| Flammable properties | Not flammable |
| Extinguishing media | Treat for surrounding material. |
| Protection of firefighters | Firefighters should wear protective clothing including self contained breathing apparatus |
| Hazardous combustion products | May include and not limited to oxides of carbon and oxides of sulfur. |
| Unusual Fire, Explosion hazards | None known. |

6. Accidental Release Measures

| | |
|----------------------------------|--|
| Personal precautions | Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing. Stay upwind of spills or leaks. |
| Methods for containment | Stop leak if you can do so without risk. Prevent entry into waterways, sewers. |
| Methods for cleaning up | Before attempting clean up refer to hazard data given above. Small spills may be shoveled up and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or water ways. Dike spill. Shovel up and place in a suitable, covered, labeled container for disposal. Never return spill to original container for reuse. |
| Environmental Precautions | Avoid release to the environment. |

7. Handling and Storage

| | |
|--------------------------------------|---|
| Precautions for Safe Handling | Use good industrial hygiene practices when handling this material |
| Conditions for Safe Storage | Store in a cool dry place away from incompatible materials. |

8. Exposure Controls and Personal Protection

Exposure limits

| Ingredients | CAS-No | OSHA PEL | ACGIH TLV |
|--|-------------|--|-----------------|
| Sodium bicarbonate | 533-96-0 | 15 mg/m ³ total dust, 5mg/m ³ (resp. fraction) | Not established |
| Sodium carbonate | 497-19-8 | Not established | Not established |
| Alcohols, C6-C10 ethoxylated propoxylated | 68987-81-5 | Not established | Not established |
| Dodecyldiphenyloxide disulfonate sodium salt | 119345-04-9 | Not established | Not established |

Engineering controls

General ventilation normally adequate

Personal protective equipment

Eye/Face protection

Wear safety glasses with side shields if splash conditions exist.

Hand protection

Rubber or nitrile gloves.

Skin and body

As required by employer code.

Respiratory protection

Use a NIOSH approved respirator when exposure guidelines are exceeded.

General hygiene considerations

Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance/form

Solid

Color

White powder with blue specks.

Odor

Slight organic

Odor threshold

Not established

pH

10.0-10.2 (1% solution)

Melting point/freezing point

Not established

Initial Boiling point

Not applicable

Flash point

None

Evaporation rate

Not established

Flammability

Not flammable

Upper/lower flammability or

Not applicable

Explosive limits

Vapor pressure

Not established

Vapor density

Not established

Specific gravity/density

1.03-1.05

Solubility in water

Soluble or dispersible to at least 5%.

Partition coefficient:

Not established

Auto ignition temperature

Not established

Decomposition temperature

Not established

Stability and Reactivity

Stable and non reactive under normal use and storage conditions.

VOC

< 1%

% Volatile

< 3%

Other safety Information

10. Stability and Reactivity

Reactivity

Not reactive under normal use and storage.

Chemical Stability

Stable under normal storage conditions.

Hazardous reactions

None known.

Conditions to avoid

Do not mix with other chemicals.

Incompatible materials

Acids and oxidizers.

Hazardous decomposition products

May include but not limited to oxides of carbon, and oxides of sulfur.

Hazardous polymerization

Will not occur.

11. Toxicological Information

| | |
|--|--|
| Ingredients | LC50 |
| Sodium bicarbonate | > 5.03 mg/l 4 hours - inhalation rat |
| Sodium carbonate | 800 mg/m ³ inhalation guinea pig, 1150 mg/m ³ inhalation rat |
| Alcohols, C6-C10, ethoxylated propoxylated | > 50 mg/l 4 hour- inhalation rat, derived similar substance |
| Dodecyldiphenyloxide disulfonate, sodium salt | Not established |
| Ingredients | LD50 |
| Sodium bicarbonate | 5600 mg/kg (Oral-rat) |
| Sodium carbonate | 2800 mg/kg (Oral-rat) , > 2000 mg/kg (Dermal-rabbit) |
| Alcohols, C6-C10, ethoxylated propoxylated | 2,745 mg/kg (Oral-rat) derived from similar substance |
| | ≥2,000 mg/kg (dermal-rabbit) derived from similar substance |
| Dodecyldiphenyloxide disulfonate, sodium salt | > 2000 mg/kg (Oral-rat) no deaths > 2000 mg/kg (Dermal-rabbit) no deaths |
| Effects of acute exposure | |
| Eye | Causes eye irritation |
| Skin | Causes mild irritation. |
| Inhalation | Not normally a route of entry. |
| Ingestion | May be harmful if swallowed. May cause stomach distress, nausea, or vomiting. |
| Sensitization | No data available. |
| Chronic effects of short and long term exposure | Prolonged exposure to skin may cause drying, defatting and irritation. Exposure of dust to the eyes may be irritating. |
| Carcinogenicity | Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA. |
| Mutagenicity | No data available. |
| Reproductive effects | No data available. |
| Teratogenicity | No data available. |

12. Ecological Information

| | |
|---|--|
| Eco-toxicity | Components of this product have been identified as having potential environmental concerns. |
| Environmental effects | No data available. |
| Aquatic toxicity | |
| Sodium carbonate | LC50 Fish (Lepomis macrochirus): 300 mg/L (static) 96 hour EC50 Akgae (Nitzschia): 242mg/L 120 hour |
| Alcohols, C6-C10, ethoxylated, propoxylated | LC50 Fish (Pimephales promelas): 1-10 mg/L 96 hour EC50 Aquatic invertebrates: 1-10 mg/L 48 hour Toxic to aquatic plants, EC50 : 1-10 mg/L 120 hours |
| Dodecyldiphenyloxide disulfonate, sodium salt | LC50 Fish (rainbow trout) : 6.2 mg/L 96 hour LC50 Daphnea magna (water flea): 1.64 mg/L 48 hour EC50 Green Algae: 100 mg/l 21 days |
| Persistence and Degradability | |
| Alcohols, C6-C10, ethoxylated propoxylated | Moderately/partially degradable |
| Dodecyldiphenyloxide disulfonate, sodium salt | Not considered biodegradable, but does not mean that the material is not degradable under environmental conditions. |
| Bioaccumulation/accumulation | No data available. |
| Partition coefficient | No data available. |
| Mobility in environmental media | No data available. |
| Chemical fate information | No data available. |
| Other adverse effects | No data available. |



13. Disposal Considerations

| | |
|--|---|
| Disposal instructions | Dispose in accordance with local, state, and federal regulations |
| Wastes from residues/unused Product | Containerize. Rinse area with water. Keep out of storm sewer/waterways. |
| Contaminated packaging | Dispose in accordance with all applicable regulations. |

14. Transport Information

| | |
|-------------------------------------|-------------------|
| Basic shipping requirements: | Not DOT regulated |
| Proper shipping name | |
| Hazard class | |
| UN number | |
| Packing group | |
| Special provisions | |

15. Regulatory Information

| | | |
|--|--|-------------------------------|
| U.S federal regulations | This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA HCS 2012. | |
| TSCA | All ingredients are listed on the Toxic Substances Control Act or are exempt from listing. | |
| CERCLA Super Fund 40CFR117.302 | Product contains a material with a Reportable Quantity (RQ): None | |
| SARA Title III Section 311&312 | Immediate (Acute) Health Hazard Sodium carbonate Alcohols, C6-C10, ethoxylated propoxylated Dodecyldiphenyloxid disulfonate sodium salt | |
| SARA Title III Section 313 | Ingredients subject to the reporting requirements of Section 313: None | |
| California Proposition 65 | This product does not contain intentional ingredients known to the State of California to cause cancer, birth defects or reproductive effects. However, trace amounts of ethylene oxide(CAS#71-25-8), a suspected human carcinogen and propylene oxide (CAS#75-56-9) which is anticipated to be a carcinogen may be present. | |
| States Right to Know | Reportable Chemicals: Dodecyldiphenyloxide disulfonate sodium salt | |
| Inventory Status | | |
| Countries | Inventory Name | On Inventory (Yes/No)* |
| U.S. | Chemical Inventory List | Yes |
| Canada | Domestic substances list | Yes |
| <ul style="list-style-type: none"> A öYesö indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed. | | |



16. Other Information

HMIS RATING

HMIS LEGEND

| | |
|----------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | |

| | |
|---------------------|---|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |
| Personal Protection | B |

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

March 16, 2014

Supersedes date

Previous issues.

Reason for update

Conform to GHS OSHA HCS 2012.

Expiration date

March 16, 2017



SAFETY DATA SHEET

1. Product and Company Identification

| | |
|-----------------------------------|--|
| Product Name | EXCELL |
| Product Number | 3BL |
| Product Type | Mixture |
| Product Use | Carpet cleaner |
| Manufacturer | CFR, A Division of Tacony Corporation 3101 Wichita Court Fort Worth, TX 76140-1710 |
| Company Contact | 1-800-533-2557 or website www.cfrcorp.com |
| Emergency Telephone Number | 1-800-270-5201 |

2. Hazards Identification

GHS Classification in accordance with 29CFR 1910 OSHA HCS

Acute toxicity, Oral (Category 5) H303
Skin corrosion/irritation, (Category 3) H316
Serious eye damage/eye irritation, (Category 2B) H320
Chronic aquatic toxicity, (Category 3) H412

GHS Label elements, including precautionary statements

Pictogram None required

Signal Word Warning

Hazard Statements

H303 May be harmful if swallowed.
H316 Causes mild skin irritation.
H320 Causes eye irritation.
H412 May cause long lasting harmful effects to aquatic life.

Precautionary Statements

Prevention

P264 Wash and rinse hands and exposed skin after handling concentrated product.
P273 Avoid release to the environment.

Response

P312 Contact a POISON CENTER/doctor if swallowed and feeling unwell.
P332+P313 If skin irritation occurs, get medical attention.
P305+P351+P338 IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists, get medical attention.

Storage/Disposal

P501 Dispose of contents/container in accordance with local, regional and federal regulations

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

| Hazardous Components | CAS# | Classification | % |
|-------------------------------|------------------------|------------------------|-------|
| Sodium Bicarbonate | 533-96-0 | H320 | 5-10% |
| Sodium Octyl sulfate | 142-31-4 | H303, H315, H319, H412 | 5-10% |
| Alkydiphenyloxide disulfonate | 36445-71-3, 70146-13-3 | H303, H316, H320, H401 | 1- 5% |
| Sodium Carbonate | 497-19-8 | H320 | 1-5% |

4. First Aid Measures

Description of First Aid Procedures

| | |
|--------------------------------|--|
| In case of Eye Contact | Flush with cool running water for 15 minutes. If irritation persists, get medical attention. |
| In case of Skin Contact | Flush with cool water, Wash with soap and water, If irritation persists, get medical Attention. |
| If Inhaled | If symptoms develop, move to fresh air. If symptoms persist, get medical attention |
| If Ingested | Rinse mouth with water. Drink one or two glasses of water. Do not induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person. |
| .Notes to Physician | Symptoms may be delayed. |
| General advice | Seek medical attention if feeling unwell. Show the SDS to the physician in attendance. |

5. Fire-fighting Measures

| | |
|--|---|
| Flammable properties | Not flammable |
| Extinguishing media | Treat for surrounding material. |
| Protection of firefighters | Firefighters should wear protective clothing including self contained breathing apparatus |
| Hazardous combustion products | May include and not limited to oxides of carbon and oxides of sulfur. |
| Unusual Fire, Explosion hazards | None known. |

6. Accidental Release Measures

| | |
|----------------------------------|--|
| Personal precautions | Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing. Stay upwind of spills or leaks. |
| Methods for containment | Stop leak if you can do so without risk. Prevent entry into waterways, sewers. |
| Methods for cleaning up | Before attempting clean up refer to hazard data given above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or water ways. Dike spill. Absorb spill with non reactive absorbent and place in a suitable, covered, labeled container for disposal. Never return spill to original container for reuse. |
| Environmental Precautions | Avoid release to the environment. |

7. Handling and Storage

| | |
|--------------------------------------|--|
| Precautions for Safe Handling | Use good industrial hygiene practices when handling this material |
| Conditions for Safe Storage | Keep out of reach of children. Keep from freezing, store in a cool dry place away from incompatible materials. |

8. Exposure Controls and Personal Protection

| Exposure limits | | | |
|---------------------------------------|--|--|--------------------------|
| Ingredients | CAS-No | OSHA PEL | ACGIH TLV |
| Sodium bicarbonate | 533-96-0 | 15 mg/m ³ total dust, 5mg/m ³ (resp. fraction) | Not established |
| Sodium octyl sulfate | 142-31-4 | Not established | TWA: 5 mg/m ³ |
| Alkyldiphenyloxide disulfonate | 36445-71-3 | Not established | Not established |
| | 70146-13-3 | Not established | Not established |
| Sodium carbonate | 497-19-8 | Not established | Not established |
| Engineering controls | | General ventilation normally adequate | |
| Personal protective equipment | | | |
| Eye/Face protection | Wear safety glasses with side shields if splash conditions exist. | | |
| Hand protection | Rubber or nitrile gloves. | | |
| Skin and body | As required by employer code. | | |
| Respiratory protection | Use a NIOSH approved respirator when exposure guidelines are exceeded. | | |
| General hygiene considerations | Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product. | | |

9. Physical and Chemical Properties

| Information on basic physical and chemical properties | |
|---|--|
| Appearance/form | Clear liquid |
| Color | Light straw to colorless |
| Odor | Fresh air |
| Odor threshold | Not established |
| pH | 9.0-9.2 (Concentrate) |
| Melting point/freezing point | Not established |
| Initial Boiling point | > 212° F. (100° C.) |
| Flash point | Not established |
| Evaporation rate | Not established |
| Flammability | Not flammable |
| Upper/lower flammability or Explosive limits | Not applicable |
| Vapor pressure | Not established |
| Vapor density | Not established |
| Specific gravity/density | 1.06-1.10 |
| Solubility in water | Complete |
| Partition coefficient: | Not established |
| Auto ignition temperature | Not established |
| Decomposition temperature | Not established |
| Stability and Reactivity | Stable and non reactive under normal use and storage conditions. |
| VOC | < 1% |
| % Volatile | Approx. 80% |
| Other safety Information | |

10. Stability and Reactivity

| | |
|---|--|
| Reactivity | Not reactive under normal use and storage. |
| Chemical Stability | Stable under normal storage conditions. |
| Hazardous reactions | None known. |
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Strong acids and oxidizers. |
| Hazardous decomposition products | May include but not limited to oxides of carbon, and oxides of sulfur. |
| Hazardous polymerization | Will not occur. |

11. Toxicological Information

| | |
|--|--|
| Ingredients | LC50 |
| Sodium bicarbonate | > 5.03 mg/l 4 hours - inhalation rat |
| Sodium octyl sulfate | Not available |
| Alkyldiphenyloxide disulfonate | Not available |
| Sodium carbonate | 800 mg/m ³ inhalation guinea pig, 1150 mg/m ³ inhalation rat |
| Ingredients | LD50 |
| Sodium bicarbonate | 5600 mg/kg (Oral-rat) |
| Sodium octyl sulfate | 3200 mg/kg (Oral-rat) |
| Alkyldiphenyloxide disulfonate | 3562 mg/kg (Oral-rat) |
| Sodium carbonate | 2800 mg/kg (Oral-rat) , > 2000 mg/kg (Dermal-rabbit) |
| Effects of acute exposure | |
| Eye | Causes eye irritation |
| Skin | Causes mild irritation. |
| Inhalation | Not normally a route of entry. |
| Ingestion | May be harmful if swallowed. May cause stomach distress, nausea, or vomiting. |
| Sensitization | No data available. |
| Chronic effects of short and long term exposure | Prolonged exposure to skin may cause drying, defatting and irritation. |
| Carcinogenicity | Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA. |
| Mutagenicity | No data available. |
| Reproductive effects | No data available. |
| Teratogenicity | No data available. |

12. Ecological Information

| | |
|--|--|
| Eco-toxicity | Components of this product have been identified as having potential environmental concerns. |
| Environmental effects | No data available. |
| Aquatic toxicity | |
| Sodium carbonate | LC50 Fish (Lepomis macrochirus): 300 mg/L (static) 96 hour EC50 Akgae (Nitzschia): 242mg/L 120 hour |
| Alkyldiphenyloxide disulfonate | Moderately toxic to aquatic life. |
| Persistence and Degradability | |
| Alkyldiphenyloxide disulfonate | Not readily biodegradable in waste treatment systems. |
| Sodium octyl sulfate | Degradation products are more toxic. |
| Bioaccumulation/accumulation | No data available. |
| Partition coefficient | No data available. |
| Mobility in environmental media | No data available. |
| Chemical fate information | No data available. |
| Other adverse effects | No data available. |

13. Disposal Considerations

| | |
|--|---|
| Disposal instructions | Dispose in accordance with local, state, and federal regulations |
| Wastes from residues/unused Product | Containerize. Rinse area with water. Keep out of storm sewer/waterways. |
| Contaminated packaging | Dispose in accordance with all applicable regulations. |

14. Transport Information

| | |
|-------------------------------------|-------------------|
| Basic shipping requirements: | Not DOT regulated |
| Proper shipping name | |
| Hazard class | |
| UN number | |
| Packing group | |
| Special provisions | |

15. Regulatory Information

| | | |
|---|--|-------------------------------|
| U.S federal regulations | This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA HCS 2012. | |
| TSCA | All ingredients are listed on the Toxic Substances Control Act or are exempt from listing. | |
| CERCLA Super Fund 40CFR117.302 | Product contains a material with a Reportable Quantity (RQ): None | |
| SARA Title III Section 311&312 | Immediate (Acute) Health Hazard Sodium carbonate | |
| SARA Title III Section 313 | Ingredients subject to the reporting requirements of Section 313: None | |
| California Proposition 65 | This product does not contain intentional ingredients known to the State of California to cause cancer, birth defects or reproductive effects. | |
| States Right to Know | Reportable Chemicals: Aklyldiphenyloxide disulfonate | |
| Inventory Status | | |
| Countries | Inventory Name | On Inventory (Yes/No)* |
| U.S. | Chemical Inventory List | Yes |
| Canada | Domestic substances list | Yes |
| • | A "Yes" indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed. | |

16. Other Information

HMIS RATING

HMIS LEGEND

| | |
|----------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | |

| | |
|---------------------|---|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |
| Personal Protection | B |



Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

March 9, 2014

Supersedes date

October 2, 2010

Reason for update

Conform to GHS OSHA HCS 2012

Expiration date

March 9, 2017



SAFETY DATA SHEET

1. Product and Company Identification

| | |
|-----------------------------------|--|
| Product Name | OZ CLEAN |
| Product Number | 3CB |
| Product Type | Mixture |
| Product Use | Ozone compatible carpet cleaner. |
| Manufacturer | CFR, A Division of Tacony Corporation 3101 Wichita Court Fort Worth, TX 76140-1710 |
| Company Contact | 1-800-533-2557 or website www.cfrcorp.com |
| Emergency Telephone Number | 1-800-270-5201 |

2. Hazards Identification

GHS Classification in accordance with 29CFR 1910 OSHA HCS

Skin corrosion/irritation, (Category 3) H316
Serious eye damage/eye irritation, (Category 2B) H320
Chronic aquatic toxicity, (Category 4) H413

GHS Label elements, including precautionary statements

Pictogram None required

Signal Word Warning

Hazard Statements

H316 Causes mild skin irritation.
H320 Causes eye irritation.
H413 May cause long lasting harmful effects to aquatic life.

Precautionary Statements

Prevention

P264 Wash and rinse hands and exposed skin after handling concentrated product.
P273 Avoid release to the environment.

Response

P332+P313 If skin irritation occurs, get medical attention.
P305+P351+P338 IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists, get medical attention.

Storage/Disposal

P501 Dispose of contents/container in accordance with local, regional and federal regulations

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.



| Hazardous Components | CAS# | Classification | % |
|------------------------------|-----------|------------------|-------|
| Sodium Bicarbonate | 533-96-0 | H320 | 1-10% |
| Tetrapotassium pyrophosphate | 7320-34-5 | H315, H319, H413 | 1-5% |
| Sodium Carbonate | 497-19-8 | H320 | 1-5% |

4. First Aid Measures

Description of First Aid Procedures

| | |
|--------------------------------|--|
| In case of Eye Contact | Flush with cool running water for 15 minutes. If irritation persists, get medical attention. |
| In case of Skin Contact | Flush with cool water, Wash with soap and water, If irritation persists, get medical Attention. |
| If Inhaled | If symptoms develop, move to fresh air. If symptoms persist, get medical attention |
| If Ingested | Rinse mouth with water. Drink one or two glasses of water. Do not induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person. |
| Notes to Physician | Symptoms may be delayed. |

General advice Seek medical attention if feeling unwell. Show the SDS to the physician in attendance.

5. Fire-fighting Measures

| | |
|--|---|
| Flammable properties | Not flammable |
| Extinguishing media | Treat for surrounding material. |
| Protection of firefighters | Firefighters should wear protective clothing including self contained breathing apparatus |
| Hazardous combustion products | May include and not limited to oxides of carbon and oxides of sulfur. |
| Unusual Fire, Explosion hazards | None known. |

6. Accidental Release Measures

| | |
|----------------------------------|--|
| Personal precautions | Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing. Stay upwind of spills or leaks. |
| Methods for containment | Stop leak if you can do so without risk. Prevent entry into waterways, sewers. |
| Methods for cleaning up | Before attempting clean up refer to hazard data given above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or water ways. Dike spill. Absorb spill with non reactive absorbent and place in a suitable, covered, labeled container for disposal. Never return spill to original container for reuse. |
| Environmental Precautions | Avoid release to the environment. |

7. Handling and Storage

| | |
|--------------------------------------|--|
| Precautions for Safe Handling | Use good industrial hygiene practices when handling this material |
| Conditions for Safe Storage | Keep out of reach of children. Keep from freezing, store in a cool dry place away from incompatible materials. |

8. Exposure Controls and Personal Protection

| Exposure limits | | | |
|------------------------------|-----------|--|-----------------|
| Ingredients | CAS-No | OSHA PEL | ACGIH TLV |
| Sodium bicarbonate | 533-96-0 | 15 mg/m ³ total dust, 5mg/m ³ (resp. fraction) | Not established |
| Sodium carbonate | 497-19-8 | Not established | Not established |
| Tetrapotassium pyrophosphate | 7320-34-5 | Not established | Not established |



| | |
|---------------------------------------|--|
| Engineering controls | General ventilation normally adequate |
| Personal protective equipment | |
| Eye/Face protection | Wear safety glasses with side shields if splash conditions exist. |
| Hand protection | Rubber or nitrile gloves. |
| Skin and body | As required by employer code. |
| Respiratory protection | Use a NIOSH approved respirator when exposure guidelines are exceeded. |
| General hygiene considerations | Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product. |

9. Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|---|--|
| Appearance/form | Clear liquid |
| Color | Colorless |
| Odor | Characteristic |
| Odor threshold | Not established |
| pH | 9.0-9.2 (Concentrate) |
| Melting point/freezing point | Not established |
| Initial Boiling point | > 212° F. (100° C.) |
| Flash point | Not established |
| Evaporation rate | Not established |
| Flammability | Not flammable |
| Upper/lower flammability or Explosive limits | Not applicable |
| Vapor pressure | Not established |
| Vapor density | Not established |
| Specific gravity/density | 1.03-1.05 |
| Solubility in water | Complete |
| Partition coefficient: | Not established |
| Auto ignition temperature | Not established |
| Decomposition temperature | Not established |
| Stability and Reactivity | Stable and non reactive under normal use and storage conditions. |
| VOC | < 1% |
| % Volatile | Approx. 85% |

Other safety Information

10. Stability and Reactivity

| | |
|---|--|
| Reactivity | Not reactive under normal use and storage. |
| Chemical Stability | Stable under normal storage conditions. |
| Hazardous reactions | None known. |
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Strong acids and oxidizers. |
| Hazardous decomposition products | May include but not limited to oxides of carbon, and oxides of sulfur. |
| Hazardous polymerization | Will not occur. |

11. Toxicological Information

| | |
|------------------------------|--|
| Ingredients | LC50 |
| Sodium bicarbonate | > 5.03 mg/l 4 hours - inhalation rat |
| Sodium carbonate | 800 mg/m ³ inhalation guinea pig, 1150 mg/m ³ inhalation rat |
| Tetrapotassium pyrophosphate | No data available |
| Ingredients | LD50 |
| Sodium bicarbonate | 5600 mg/kg (Oral-rat) |
| Sodium carbonate | 2800 mg/kg (Oral-rat) , > 2000 mg/kg (Dermal-rabbit) |
| Tetrapotassium pyrophosphate | > 1000 mg/kg (Oral-rabbit), 4640 mg/kg (Dermal-rabbit) |



Effects of acute exposure

| | |
|-------------------|---|
| Eye | Causes eye irritation |
| Skin | Causes mild irritation. |
| Inhalation | Not normally a route of entry. |
| Ingestion | May be harmful if swallowed. May cause stomach distress, nausea, or vomiting. |

| | |
|--|---|
| Sensitization | No data available. |
| Chronic effects of short and long term exposure | Prolonged exposure to skin may cause drying, defatting and irritation. |
| Carcinogenicity | Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA. |
| Mutagenicity | No data available. |
| Reproductive effects | No data available. |
| Teratogenicity | No data available. |

12. Ecological Information

| | |
|---|--|
| Eco-toxicity | Components of this product have been identified as having potential environmental concerns. |
| Environmental effects | No data available. |
| Aquatic toxicity Sodium carbonate | LC50 Fish (Lepomis macrochirus): 300 mg/L (static) 96 hour EC50 Akgae (Nitzschia): 242mg/L 120 hour |
| Persistence and Degradability | The alkalinity of the phosphate may be reduced in natural waters, but the resulting phosphate may persist indefinitely or incorporate into biological systems. |
| Bioaccumulation/accumulation | No data available. |
| Partition coefficient | No data available. |
| Mobility in environmental media | No data available. |
| Chemical fate information | No data available. |
| Other adverse effects | No data available. |

13. Disposal Considerations

| | |
|--|---|
| Disposal instructions | Dispose in accordance with local, state, and federal regulations |
| Wastes from residues/unused Product | Containerize. Rinse area with water. Keep out of storm sewer/waterways. |
| Contaminated packaging | Dispose in accordance with all applicable regulations. |

14. Transport Information

| | |
|-------------------------------------|-------------------|
| Basic shipping requirements: | Not DOT regulated |
| Proper shipping name | |
| Hazard class | |
| UN number | |
| Packing group | |
| Special provisions | |

15. Regulatory Information

| | |
|--------------------------------|--|
| U.S federal regulations | This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA HCS 2012. |
|--------------------------------|--|



TSCA All ingredients are listed on the Toxic Substances Control Act or are exempt from listing.

CERCLA Super Fund 40CFR117.302 Product contains a material with a Reportable Quantity (RQ):
None

SARA Title III Section 311&312 Immediate (Acute) Health Hazard
Sodium carbonate

SARA Title III Section 313 Ingredients subject to the reporting requirements of Section 313:
None

California Proposition 65 This product does not contain intentional ingredients known to the State of California to cause cancer, birth defects or reproductive effects.

States Right to Know Reportable Chemicals:
None

Inventory Status

| Countries | Inventory Name | On Inventory (Yes/No)* |
|-----------|--------------------------|------------------------|
| U.S. | Chemical Inventory List | Yes |
| Canada | Domestic substances list | Yes |

- A "Yes" indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.

16. Other Information

HMIS RATING

HMIS LEGEND

| | |
|----------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | |

| | |
|---------------------|---|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |
| Personal Protection | B |

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

March 10, 2014

Supersedes date

Previous issues.

Reason for update

Conform to GHS OSHA HCS 2012.

Expiration date

March 10, 2017



SAFETY DATA SHEET

1. Product and Company Identification

| | |
|-----------------------------------|--|
| Product Name | PERFORM-ALL PLUS |
| Product Number | 3ZJ |
| Product Type | Mixture |
| Product Use | Carpet cleaner with neutral pH |
| Manufacturer | CFR, A Division of Tacony Corporation 3101 Wichita Court Fort Worth, TX 76140-1710 |
| Company Contact | 1-800-533-2557 or website www.cfrcorp.com |
| Emergency Telephone Number | 1-800-270-5201 |

2. Hazards Identification

GHS Classification in accordance with 29CFR 1910 OSHA HCS

Skin corrosion/irritation, (Category 3) H316
Serious eye damage/eye irritation, (Category 2B) H320
Acute aquatic toxicity, (Category 3) H401

GHS Label elements, including precautionary statements

Pictogram None required

Signal Word Warning

Hazard Statements

H316 Causes mild skin irritation.
H320 Causes eye irritation.
H401 Toxic to aquatic life

Precautionary Statements

Prevention

P264 Wash and rinse hands and exposed skin after handling concentrated product.
P273 Avoid release to the environment.

Response

P312 Contact a POISON CENTER/doctor if swallowed and feeling unwell.
P332+P313 If skin irritation occurs, get medical attention.
P305+P351+P338 IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists, get medical attention.

Storage/Disposal

P501 Dispose of contents/container in accordance with local, regional and federal regulations

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.



| Hazardous Components | CAS# | Classification | % |
|----------------------------------|-------------|------------------------------|-------|
| Anionic polymer/surfactant blend | Proprietary | H320 | 1-10% |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | H302, H315, H318, H335, H401 | 1-5% |

4. First Aid Measures

Description of First Aid Procedures

| | |
|--------------------------------|--|
| In case of Eye Contact | Flush with cool running water for 15 minutes. If irritation persists, get medical attention. |
| In case of Skin Contact | Flush with cool water, Wash with soap and water, If irritation persists, get medical Attention. |
| If Inhaled | If symptoms develop, move to fresh air. If symptoms persist, get medical attention |
| If Ingested | Rinse mouth with water. Drink one or two glasses of water. Do not induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person. |
| Notes to Physician | Symptoms may be delayed. |
| General advice | Seek medical attention if feeling unwell. Show the SDS to the physician in attendance. |

5. Fire-fighting Measures

| | |
|--|---|
| Flammable properties | Not flammable |
| Extinguishing media | Treat for surrounding material. |
| Protection of firefighters | Firefighters should wear protective clothing including self contained breathing apparatus |
| Hazardous combustion products | May include and not limited to oxides of carbon and oxides of sulfur. |
| Unusual Fire, Explosion hazards | None known. |

6. Accidental Release Measures

| | |
|----------------------------------|--|
| Personal precautions | Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing. Stay upwind of spills or leaks. |
| Methods for containment | Stop leak if you can do so without risk. Prevent entry into waterways, sewers. |
| Methods for cleaning up | Before attempting clean up refer to hazard data given above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or water ways. Dike spill. Absorb spill with non reactive absorbent and place in a suitable, covered, labeled container for disposal. Never return spill to original container for reuse. |
| Environmental Precautions | Avoid release to the environment. |

7. Handling and Storage

| | |
|--------------------------------------|--|
| Precautions for Safe Handling | Use good industrial hygiene practices when handling this material |
| Conditions for Safe Storage | Keep out of reach of children. Keep from freezing, store in a cool dry place away from incompatible materials. |

8. Exposure Controls and Personal Protection

| Exposure limits | | | |
|----------------------------------|-------------|---------------|---------------|
| Ingredients | CAS-No | OSHA PEL | ACGIH TLV |
| Anionic polymer/surfactant blend | Proprietary | Not available | Not available |
| Sodium dodecylbenzenesulfonate | 25155-30-0 | Not available | Not available |



| | |
|---------------------------------------|--|
| Engineering controls | General ventilation normally adequate |
| Personal protective equipment | |
| Eye/Face protection | Wear safety glasses with side shields if splash conditions exist. |
| Hand protection | Rubber or nitrile gloves. |
| Skin and body | As required by employer code. |
| Respiratory protection | Use a NIOSH approved respirator when exposure guidelines are exceeded. |
| General hygiene considerations | Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product. |

9. Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|---|--|
| Appearance/form | Clear liquid |
| Color | Light tan |
| Odor | Fresh air |
| Odor threshold | Not established |
| pH | 6.0-8.0 (Concentrate) |
| Melting point/freezing point | Not established |
| Initial Boiling point | > 212° F. (100° C.) |
| Flash point | > 200° F. (93° C.) |
| Evaporation rate | Not established |
| Flammability | Not flammable |
| Upper/lower flammability or Explosive limits | Not applicable |
| Vapor pressure | Not established |
| Vapor density | Not established |
| Specific gravity/density | 1.028-1.036 |
| Solubility in water | Complete |
| Partition coefficient: | Not established |
| Auto ignition temperature | Not established |
| Decomposition temperature | Not established |
| Stability and Reactivity | Stable and non reactive under normal use and storage conditions. |
| VOC | < 1% |
| % Volatile | Approx. 85% |

Other safety Information

10. Stability and Reactivity

| | |
|---|--|
| Reactivity | Not reactive under normal use and storage. |
| Chemical Stability | Stable under normal storage conditions. |
| Hazardous reactions | None known. |
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Strong acids and oxidizers. |
| Hazardous decomposition products | May include but not limited to oxides of carbon, and oxides of sulfur. |
| Hazardous polymerization | Will not occur. |

11. Toxicological Information

| | |
|----------------------------------|---|
| Ingredients | LC50 |
| Anionic polymer/surfactant blend | No data available |
| Sodium dodecylbenzenesulfonate | No data available |
| Ingredients | LD50 |
| Anionic polymer/surfactant blend | No data available |
| Sodium dodecylbenzenesulfonate | 438 mg/kg (Oral-rat), Dermal: no data available |



Effects of acute exposure

| | |
|-------------------|--------------------------------------|
| Eye | Causes eye irritation |
| Skin | Causes mild irritation. |
| Inhalation | Not normally a route of entry. |
| Ingestion | Not expected to be harmful or toxic. |

| | |
|--|---|
| Sensitization | No data available. |
| Chronic effects of short and long term exposure | Prolonged exposure to skin may cause drying, defatting and irritation. |
| Carcinogenicity | Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA. |
| Mutagenicity | No data available. |
| Reproductive effects | No data available. |
| Teratogenicity | No data available. |

12. Ecological Information

| | |
|--|--|
| Eco-toxicity | Components of this product have been identified as having potential environmental concerns and toxic to aquatic life |
| Environmental effects | No data available. |
| Aquatic toxicity | |
| Sodium dodecylbenzenesulfonate | LC50 Fish (Rainbow trout): 3.2-5.6 mg/l 96 hour LC50 Water flea (Daphnia magna): 4mg/l 7 days |
| Persistence and Degradability | No data available |
| Bioaccumulation/accumulation | |
| Sodium dodecylbenzenesulfonate | Lepomis macrochirus: 64 µg/l 28 days Bioconcentration factor (BCF): 220 |
| Partition coefficient | No data available. |
| Mobility in environmental media | No data available. |
| Chemical fate information | No data available. |
| Other adverse effects | No data available. |

13. Disposal Considerations

| | |
|--|---|
| Disposal instructions | Dispose in accordance with local, state, and federal regulations |
| Wastes from residues/unused Product | Containerize. Rinse area with water. Keep out of storm sewer/waterways. |
| Contaminated packaging | Dispose in accordance with all applicable regulations. |

14. Transport Information

| | |
|-------------------------------------|-------------------|
| Basic shipping requirements: | Not DOT regulated |
| Proper shipping name | |
| Hazard class | |
| UN number | |
| Packing group | |
| Special provisions | |



15. Regulatory Information

| | |
|---|--|
| U.S federal regulations | This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA HCS 2012. |
| TSCA | All ingredients are listed on the Toxic Substances Control Act or are exempt from listing. |
| CERCLA Super Fund 40CFR117.302 | Product contains a material with a Reportable Quantity (RQ): None |
| SARA Title III Section 311&312 | Immediate (Acute) Health Hazard Sodium dodecylbenzenesulfonate CAS#25155-30-0 |
| SARA Title III Section 313 | Ingredients subject to the reporting requirements of Section 313: None |
| California Proposition 65 | This product does not contain intentional ingredients known to the State of California to cause cancer, birth defects or reproductive effects. |
| States Right to Know | Reportable Chemicals: Sodium dodecylbenzenesulfonate CAS#25155-30-0 |

Inventory Status

| Countries | Inventory Name | On Inventory (Yes/No)* |
|-----------|--------------------------|------------------------|
| U.S. | Chemical Inventory List | Yes |
| Canada | Domestic substances list | Yes |

• A ÷Yesö indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.

16. Other Information

HMIS RATING

HMIS LEGEND

| | |
|----------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | |

| | |
|---------------------|---|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |
| Personal Protection | B |

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

May 6, 2015

Supersedes date

Previous issues

Reason for update

Conform to GHS OSHA HCS 2012

Expiration date

May 6, 2018



SAFETY DATA SHEET

1. Product and Company Identification

| | |
|-----------------------------------|--|
| Product Name | POP-OUT |
| Product Number | 3AH |
| Product Type | Mixture |
| Product Use | Spot remover for carpets & upholstery |
| Manufacturer | CFR, A Division of Tacony Corporation 3101 Wichita Court Fort Worth, TX 76140-1710 |
| Company Contact | 1-800-533-2557 or website www.cfrcorp.com |
| Emergency Telephone Number | 1-800-270-5201 |

2. Hazards Identification

GHS Classification in accordance with 29CFR 1910 OSHA HCS

Skin corrosion/irritation, (Category 2) H315
Serious eye damage/eye irritation, (Category 2B) H319
Acute Aquatic toxicity (Category 3) H402

GHS Label elements, including precautionary statements

Pictogram



Signal Word Warning

Hazard Statements

H316 Causes skin irritation.
H320 Causes serious eye irritation.
H402 Harmful to aquatic life

Precautionary Statements

Prevention

P264 Wash and rinse hands and exposed skin after handling concentrated product.
P280 Wear eye protection/face protection.
P273 Avoid release to the environment.

Response

P302+P352+321 IF ON SKIN, wash with soap and water. Rinse thoroughly with water.
P332+P313 If skin irritation occurs, get medical attention.
P362+P364 Take off contaminated clothing and wash it before reuse.
P305+P351+P338 IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists, get medical attention.

Storage/Disposal

P501 Dispose of contents/container in accordance with local, regional and federal regulations

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

| Hazardous Components | CAS# | Classification | % |
|------------------------------------|-------------|------------------|------|
| Sodium alkylnaphthalenesulfonate | Proprietary | H315, H318, H402 | 2-6% |
| Diethylene glycol mono butyl ether | 112-34-5 | H319 | 2-6% |
| Tetrapotassium pyrophosphate | 7320-34-5 | H315, H319 | 1-5% |
| Dipropylene glycol methyl ether | 34590-94-8 | H227 | 2-4% |
| Alkylbenzenesulfonate | Proprietary | H315, H318 | 1-2% |
| Sodium tripolyphosphate | 7758-29-4 | H315, H319 | 1-2% |

4. First Aid Measures

| Description of First Aid Procedures | |
|-------------------------------------|--|
| In case of Eye Contact | Flush with cool running water for 15 minutes. If irritation persists, get medical attention. |
| In case of Skin Contact | Flush with cool water, Wash with soap and water, If irritation persists, get medical Attention. |
| If Inhaled | If symptoms develop, move to fresh air. If symptoms persist, get medical attention |
| If Ingested | Rinse mouth with water. Drink one or two glasses of water. Do not induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person. |
| .Notes to Physician | Symptoms may be delayed. |
| General advice | Seek medical attention if feeling unwell. Show the SDS to the physician in attendance. |

5. Fire-fighting Measures

| | |
|--|---|
| Flammable properties | Not flammable |
| Extinguishing media | Water spray, Dry chemical, Carbon dioxide. |
| Protection of firefighters | Firefighters should wear protective clothing including self contained breathing apparatus |
| Hazardous combustion products | May include and not limited to oxides of carbon, nitrogen, and oxides of sulfur. |
| Unusual Fire, Explosion hazards | None known. |

6. Accidental Release Measures

| | |
|----------------------------------|--|
| Personal precautions | Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing. Stay upwind of spills or leaks. |
| Methods for containment | Stop leak if you can do so without risk. Prevent entry into waterways, sewers. |
| Methods for cleaning up | Before attempting clean up refer to hazard data given above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or water ways. Dike spill. Absorb spill with non reactive absorbent and place in a suitable, covered, labeled container for disposal. Never return spill to original container for reuse. After removal, rinse area with water. |
| Environmental Precautions | Avoid release to the environment. |

7. Handling and Storage

| | |
|--------------------------------------|--|
| Precautions for Safe Handling | Use good industrial hygiene practices when handling this material |
| Conditions for Safe Storage | Keep out of reach of children. Keep from freezing, store in a cool dry place away from incompatible materials. |

8. Exposure Controls and Personal Protection

| | | | |
|---------------------------------------|--|-----------------|--|
| Exposure limits | | | |
| Ingredients | CAS-No | OSHA PEL | ACGIH TLV |
| Sodium alkylnaphthalenesulfonate | Proprietary | Not available | Not available |
| Diethylene glycol mono butyl ether | 112-34-5 | Not available | TWA: 10 ppm |
| Tetrapotassium pyrophosphate | 7320-34-5 | Not available | TWA: 5mg ³ /m ³ dust |
| Dipropylene glycol methyl ether | 34590-94-8 | Not available | TWA: 100ppm |
| Alkylbenzenesulfonate | Proprietary | Not available | Not available |
| Sodium tripolyphosphate | 7758-29-4 | Not available | TWA: 10mg/m ³ dust |
| Engineering controls | Effective exhaust ventilation is recommended. Eye wash and safety shower should be near by. | | |
| Personal protective equipment | | | |
| Eye/Face protection | Wear safety glasses with side shields if splash conditions exist. | | |
| Hand protection | Rubber or nitrile gloves. | | |
| Skin and body | As required by employer code. | | |
| Respiratory protection | Use a NIOSH approved respirator when exposure guidelines are exceeded. | | |
| General hygiene considerations | Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product. | | |

9. Physical and Chemical Properties

| | |
|--|--|
| Information on basic physical and chemical properties | |
| Appearance/form | Clear liquid |
| Color | Light tan to colorless |
| Odor | Fresh air |
| Odor threshold | Not established |
| pH | 9.6-10.0 (Concentrate) |
| Melting point/freezing point | Not established |
| Initial Boiling point | > 212° F. (100° C.) |
| Flash point | > 200° F. (93° C.) EPA 1010 closed cup |
| Evaporation rate | Not established |
| Flammability | Not flammable |
| Upper/lower flammability or Explosive limits | Not established |
| Vapor pressure | Not established |
| Vapor density | Not established |
| Specific gravity/density | 1.07-1.08 |
| Solubility in water | Complete |
| Partition coefficient: | Not established |
| Auto ignition temperature | Not established |
| Decomposition temperature | Not established |
| Stability and Reactivity | Stable and non reactive under normal use and storage conditions. |
| VOC | < 3% |
| % Volatile | Approx 84% |
| Other safety Information | |

10. Stability and Reactivity

| | |
|---|--|
| Reactivity | Not reactive under normal use and storage. |
| Chemical Stability | Stable under normal storage conditions. |
| Hazardous reactions | None known. |
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Acids, strong oxidizers. |
| Hazardous decomposition products | May include but not limited to oxides of carbon, nitrogen, phosphorous and oxides of sulfur. |
| Hazardous polymerization | Will not occur. |

11. Toxicological Information

| | |
|--|---|
| Ingredients | LC50 |
| Sodium alkylnaphthalenesulfonate | No data available |
| Diethylene glycol mono butyl ether | No data available |
| Tetrapotassium pyrophosphate | No data available |
| Dipropylene glycol methyl ether | No data available |
| Alkylbenzenesulfonate | No data available |
| Sodium tripolyphosphate | No data available |
| Ingredients | LD50 |
| Sodium alkylnaphthalenesulfonate | > 5,000 mg/kg (Oral-rat) |
| Diethylene glycol mono butyl ether | 4,500 mg/kg (Oral-rat), 2,764 mg/kg (Dermal-rabbit) |
| Tetrapotassium pyrophosphate | > 1,000 mg/kg (Oral-rabbit), > 4,640 mg/kg (Dermal-rabbit) |
| Dipropylene glycol methyl ether | 5,152 mg/kg (Oral-rat) |
| Alkylbenzenesulfonate | 300-2,000 mg/kg (Oral-rat) |
| Sodium tripolyphosphate | 2,730 mg/kg (Oral-rat), 500 mg/kg (Dermal-rabbit). |
| Effects of acute exposure | |
| Eye | Causes serious eye irritation |
| Skin | Causes skin irritation. Dipropylene glycol methyl ether, ACGIH skin notations. Potential for dermal absorption. |
| Inhalation | Not likely to cause irritation to respiratory tract.. |
| Ingestion | May be harmful if swallowed. May cause stomach distress, nausea, or vomiting. |
| Sensitization | No data available |
| Chronic effects of short and long term exposure | Prolonged exposure to skin may cause drying, defatting and irritation. May cause allergic reaction in some individuals. |
| Carcinogenicity | Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA. |
| Mutagenicity | No data available. |
| Reproductive effects | No data available. |
| Teratogenicity | No data available. |

12. Ecological Information

| | |
|------------------------------------|--|
| Eco-toxicity | Components of this product have been identified as toxic to the aquatic environment. |
| Environmental effects | No data available. |
| Aquatic toxicity | |
| Sodium alkylnaphthalenesulfonate | EC50 Algae: > 100mg/l 72 hours |
| Diethylene glycol mono butyl ether | LC50 Fish: 1,300 mg/l 96 hours EC50 Daphnia: > 100 mg/l 48 hours EC50 Algae: > 100 mg/l 96 hours |



Tetrapotassium pyrophosphate
Dipropylene glycol methyl ether

No data available
LC50 Fish (pimephales promelas): > 10000 mg/l 96 hours
EC50 Daphnia magna: 1919 mg/l 48 hours

Sodium tripolyphosphate

No data available

Persistence and Degradability No data available
Bioaccumulation/accumulation No data available.
Partition coefficient No data available.
Mobility in environmental media No data available.
Chemical fate information No data available.
Other adverse effects No data available.

13. Disposal Considerations

| | |
|--|---|
| Disposal instructions | Dispose in accordance with local, state, and federal regulations |
| Wastes from residues/unused Product | Containerize. Rinse area with water. Keep out of storm sewer/waterways. |
| Contaminated packaging | Dispose in accordance with all applicable regulations. |

14. Transport Information

| | |
|-------------------------------------|-------------------|
| Basic shipping requirements: | Not DOT regulated |
| Proper shipping name | |
| Hazard class | |
| UN number | |
| Packing group | |
| Special provisions | |

15. Regulatory Information

| | |
|---|--|
| U.S federal regulations | This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA HCS 2012. |
| TSCA | All ingredients are listed on the Toxic Substances Control Act or are exempt from listing. |
| CERCLA Super Fund 40CFR117.302 | Product contains a material with a Reportable Quantity (RQ): None |
| SARA Title III Section 311&312 | Immediate (Acute) Health Hazard Sodium alkylnaphthalenesulfonate (Proprietary). Diethylene glycol mono butyl ether CAS#112-34-5. Tetrapotassium pyrophosphate CAS#7320-34-5. |
| SARA Title III Section 313 | Ingredients subject to the reporting requirements of Section 313: Diethylene glycol mono butyl ether CAS#112-34-5. |
| California Proposition 65 | This product may contain 1 ingredients known to the State of California to cause cancer, birth defects or reproductive effects: Naphthalene CAS#91-20-3 in trace amounts. |
| States Right to Know | Reportable Chemicals: Dipropylene glycol mono methyl ether CAS#34590-94-8. |



Inventory Status

Countries

Inventory Name

On Inventory (Yes/No)*

U.S.

Chemical Inventory List

Yes

Canada

Domestic substances list

Yes

- A "Yes" indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.

16. Other Information

HMIS RATING

HMIS LEGEND

Severe 4
Serious 3
Moderate 2
Slight 1
Minimal

| | |
|---------------------|---|
| Health | 2 |
| Flammability | 0 |
| Reactivity | 0 |
| Personal Protection | B |

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

May 7, 2015

Supersedes date

Previous issues.

Reason for update

Conform to GHS OSHA HCS 2012.

Expiration date

May 7, 2018



SAFETY DATA SHEET

1. Product and Company Identification

| | |
|-----------------------------------|--|
| Product Name | RECLAIM |
| Product Number | 3AN |
| Product Type | Mixture |
| Product Use | Carpet cleaner |
| Manufacturer | CFR, A Division of Tacony Corporation 3101 Wichita Court Fort Worth, TX 76140-1710 |
| Company Contact | 1-800-533-2557 or website www.cfrcorp.com |
| Emergency Telephone Number | 1-800-270-5201 |

2. Hazards Identification

GHS Classification in accordance with 29CFR 1910 OSHA HCS

Acute toxicity, Oral (Category 5) H303
Skin corrosion/irritation, (Category 3) H316
Serious eye damage/eye irritation, (Category 2B) H320
Chronic aquatic toxicity, (Category 3) H412

GHS Label elements, including precautionary statements

Pictogram None required

Signal Word Warning

Hazard Statements

H303 May be harmful if swallowed.
H316 Causes mild skin irritation.
H320 Causes eye irritation.
H412 May cause long lasting harmful effects to aquatic life.

Precautionary Statements

Prevention

P264 Wash and rinse hands and exposed skin after handling concentrated product.
P273 Avoid release to the environment.

Response

P312 Contact a POISON CENTER/doctor if swallowed and feeling unwell.
P332+P313 If skin irritation occurs, get medical attention.
P305+P351+P338 IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists, get medical attention.

Storage/Disposal

P501 Dispose of contents/container in accordance with local, regional and federal regulations

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

| Hazardous Components | CAS# | Classification | % |
|-------------------------------|------------------------|------------------------|-------|
| Sodium Bicarbonate | 533-96-0 | H320 | 1-10% |
| Sodium Carbonate | 497-19-8 | H320 | 1-10% |
| Alkydiphenyloxide disulfonate | 36445-71-3, 70146-13-3 | H303, H316, H320, H401 | 1- 5% |

4. First Aid Measures

Description of First Aid Procedures

| | |
|--------------------------------|--|
| In case of Eye Contact | Flush with cool running water for 15 minutes. If irritation persists, get medical attention. |
| In case of Skin Contact | Flush with cool water, Wash with soap and water, If irritation persists, get medical Attention. |
| If Inhaled | If symptoms develop, move to fresh air. If symptoms persist, get medical attention |
| If Ingested | Rinse mouth with water. Drink one or two glasses of water. Do not induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person. |
| .Notes to Physician | Symptoms may be delayed. |
| General advice | Seek medical attention if feeling unwell. Show the SDS to the physician in attendance. |

5. Fire-fighting Measures

| | |
|--|---|
| Flammable properties | Not flammable |
| Extinguishing media | Treat for surrounding material. |
| Protection of firefighters | Firefighters should wear protective clothing including self contained breathing apparatus |
| Hazardous combustion products | May include and not limited to oxides of carbon and oxides of sulfur. |
| Unusual Fire, Explosion hazards | None known. |

6. Accidental Release Measures

| | |
|----------------------------------|--|
| Personal precautions | Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing. Stay upwind of spills or leaks. |
| Methods for containment | Stop leak if you can do so without risk. Prevent entry into waterways, sewers. |
| Methods for cleaning up | Before attempting clean up refer to hazard data given above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or water ways. Dike spill. Absorb spill with non reactive absorbent and place in a suitable, covered, labeled container for disposal. Never return spill to original container for reuse. |
| Environmental Precautions | Avoid release to the environment. |

7. Handling and Storage

| | |
|--------------------------------------|--|
| Precautions for Safe Handling | Use good industrial hygiene practices when handling this material |
| Conditions for Safe Storage | Keep out of reach of children. Keep from freezing, store in a cool dry place away from incompatible materials. |

8. Exposure Controls and Personal Protection

| Exposure limits | | | |
|---------------------------------------|--|--|-----------------|
| Ingredients | CAS-No | OSHA PEL | ACGIH TLV |
| Sodium Bicarbonate | 533-96-0 | 15 mg/m ³ total dust, 5mg/m ³ (resp. fraction) | Not established |
| Sodium Carbonate | 497-19-8 | Not established | Not established |
| Alkyldiphenyloxide disulfonate | 36445-71-3 | Not established | Not established |
| | 70146-13-3 | Not established | Not established |
| Engineering controls | General ventilation normally adequate | | |
| Personal protective equipment | | | |
| Eye/Face protection | Wear safety glasses with side shields if splash conditions exist. | | |
| Hand protection | Rubber or nitrile gloves. | | |
| Skin and body | As required by employer code. | | |
| Respiratory protection | Use a NIOSH approved respirator when exposure guidelines are exceeded. | | |
| General hygiene considerations | Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product. | | |

9. Physical and Chemical Properties

| Information on basic physical and chemical properties | |
|---|--|
| Appearance/form | Clear liquid |
| Color | Light straw to colorless |
| Odor | Fresh air |
| Odor threshold | Not established |
| pH | 9.6-10.0 (Concentrate) |
| Melting point/freezing point | Not established |
| Initial Boiling point | > 212° F. (100° C.) |
| Flash point | Not established |
| Evaporation rate | Not established |
| Flammability | Not flammable |
| Upper/lower flammability or Explosive limits | Not applicable |
| Vapor pressure | Not established |
| Vapor density | Not established |
| Specific gravity/density | 1.09-1.13 |
| Solubility in water | Complete |
| Partition coefficient: | Not established |
| Auto ignition temperature | Not established |
| Decomposition temperature | Not established |
| Stability and Reactivity | Stable and non reactive under normal use and storage conditions. |
| VOC | < 1% |
| % Volatile | Approx. 80% |
| Other safety Information | |

10. Stability and Reactivity

| | |
|---|--|
| Reactivity | Not reactive under normal use and storage. |
| Chemical Stability | Stable under normal storage conditions. |
| Hazardous reactions | None known. |
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Strong acids and oxidizers. |
| Hazardous decomposition products | May include but not limited to oxides of carbon, and oxides of sulfur. |
| Hazardous polymerization | Will not occur. |

11. Toxicological Information

| | |
|--|--|
| Ingredients | LC50 |
| Sodium bicarbonate | > 5.03 mg/l 4 hours - inhalation rat |
| Sodium carbonate | 800 mg/m ³ inhalation guinea pig, 1150 mg/m ³ inhalation rat |
| Alkyldiphenyloxide disulfonate | Not available |
| | |
| Ingredients | LD50 |
| Sodium bicarbonate | 5600 mg/kg (Oral-rat) |
| Sodium carbonate | 2800 mg/kg (Oral-rat) , > 2000 mg/kg (Dermal-rabbit) |
| Alkyldiphenyloxide disulfonate | 3562 mg/kg (Oral-rat) |
| | |
| Effects of acute exposure | |
| Eye | Causes eye irritation |
| Skin | Causes mild irritation. |
| Inhalation | Not normally a route of entry. |
| Ingestion | May be harmful if swallowed. May cause stomach distress, nausea, or vomiting. |
| | |
| Sensitization | No data available. |
| Chronic effects of short and long term exposure | Prolonged exposure to skin may cause drying, defatting and irritation. |
| Carcinogenicity | Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA. |
| Mutagenicity | No data available. |
| Reproductive effects | No data available. |
| Teratogenicity | No data available. |

12. Ecological Information

| | |
|--|--|
| Eco-toxicity | Components of this product have been identified as having potential environmental concerns. |
| | |
| Environmental effects | No data available. |
| Aquatic toxicity | |
| Sodium carbonate | LC50 Fish (Lepomis macrochirus): 300 mg/L (static) 96 hour EC50 Akgae (Nitzschia): 242mg/L 120 hour |
| Alkyldiphenyloxide disulfonate | Moderately toxic to aquatic life. |
| Persistence and Degradability | |
| Alkyldiphenyloxide disulfonate | Not readily biodegradable in waste treatment systems. |
| Bioaccumulation/accumulation | No data available. |
| Partition coefficient | No data available. |
| Mobility in environmental media | No data available. |
| Chemical fate information | No data available. |
| Other adverse effects | No data available. |

13. Disposal Considerations

| | |
|--|---|
| Disposal instructions | Dispose in accordance with local, state, and federal regulations |
| Wastes from residues/unused Product | Containerize. Rinse area with water. Keep out of storm sewer/waterways. |
| Contaminated packaging | Dispose in accordance with all applicable regulations. |

14. Transport Information

| | |
|-------------------------------------|-------------------|
| Basic shipping requirements: | Not DOT regulated |
| Proper shipping name | |
| Hazard class | |
| UN number | |
| Packing group | |
| Special provisions | |

15. Regulatory Information

| | | |
|---|--|-------------------------------|
| U.S federal regulations | This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA HCS 2012. | |
| TSCA | All ingredients are listed on the Toxic Substances Control Act or are exempt from listing. | |
| CERCLA Super Fund 40CFR117.302 | Product contains a material with a Reportable Quantity (RQ): None | |
| SARA Title III Section 311&312 | Immediate (Acute) Health Hazard Sodium carbonate | |
| SARA Title III Section 313 | Ingredients subject to the reporting requirements of Section 313: None | |
| California Proposition 65 | This product does not contain intentional ingredients known to the State of California to cause cancer, birth defects or reproductive effects. | |
| States Right to Know | Reportable Chemicals: Aklyldiphenyloxide disulfonate | |
| Inventory Status | | |
| Countries | Inventory Name | On Inventory (Yes/No)* |
| U.S. | Chemical Inventory List | Yes |
| Canada | Domestic substances list | Yes |
| • | A "Yes" indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed. | |

16. Other Information

HMIS RATING

HMIS LEGEND

| | |
|----------|---|
| Severe | 4 |
| Serious | 3 |
| Moderate | 2 |
| Slight | 1 |
| Minimal | |

| | |
|---------------------|---|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |
| Personal Protection | B |



Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

March 9, 2014

Supersedes date

Previous issues

Reason for update

Conform to GHS OSHA HCS 2012

Expiration date

March 9, 2017



SAFETY DATA SHEET

1. Product and Company Identification

| | |
|-----------------------------------|--|
| Product Name | SUPER SOLV |
| Product Number | 3AC |
| Product Type | Mixture |
| Product Use | Spot remover for carpets & upholstery |
| Manufacturer | CFR, A Division of Tacony Corporation 3101 Wichita Court Fort Worth, TX 76140-1710 |
| Company Contact | 1-800-533-2557 or website www.cfrcorp.com |
| Emergency Telephone Number | 1-800-270-5201 |

2. Hazards Identification

GHS Classification in accordance with 29CFR 1910 OSHA HCS

Skin corrosion/irritation, (Category 3) H316
Serious eye damage/eye irritation, (Category 2B) H320
Acute Aquatic toxicity (Category 3) H402
Chronic aquatic toxicity, (Category 3) H412

GHS Label elements, including precautionary statements

| | |
|---------------------------------|---|
| Pictogram | None required |
| Signal Word | Warning |
| Hazard Statements | |
| H316 | Causes mild skin irritation. |
| H320 | Causes eye irritation. |
| H402 | Harmful to aquatic life |
| H413 | Harmful to aquatic life with long lasting effects. |
| Precautionary Statements | |
| Prevention | |
| P264 | Wash and rinse hands and exposed skin after handling concentrated product. |
| P273 | Avoid release to the environment. |
| Response | |
| P332+P313 | If skin irritation occurs, get medical attention. |
| P305+P351+P338 | IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. |
| P337+P313 | If eye irritation persists, get medical attention. |
| Storage/Disposal | |
| P501 | Dispose of contents/container in accordance with local, regional and federal regulations |

3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed. Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.



| Hazardous Components | CAS# | Classification | % |
|---|-------------|------------------------|------|
| Alcohols,C6-C10, ethoxylated propoxylated | 168987-81-5 | H319, H402 | 1-5% |
| Alcohols, C9-C11, ethoxylated | 68439-46-3 | H302, H316, H320, H412 | 1-5% |
| Terpene hydrocarbons | 5989-27-5 | H226, H303,H314 | 1-4% |
| Dipropylene glycol methyl ether | 34590-94-8 | H227 | 1-4% |
| Propylene glycol n butyl ether | 5131-66-8 | H227, H319 | 1-3% |

4. First Aid Measures

Description of First Aid Procedures

| | |
|--------------------------------|--|
| In case of Eye Contact | Flush with cool running water for 15 minutes. If irritation persists, get medical attention. |
| In case of Skin Contact | Flush with cool water, Wash with soap and water, If irritation persists, get medical Attention. |
| If Inhaled | If symptoms develop, move to fresh air. If symptoms persist, get medical attention |
| If Ingested | Rinse mouth with water. Drink one or two glasses of water. Do not induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person. |
| .Notes to Physician | Symptoms may be delayed. |
| General advice | Seek medical attention if feeling unwell. Show the SDS to the physician in attendance. |

5. Fire-fighting Measures

| | |
|--|---|
| Flammable properties | Not flammable |
| Extinguishing media | Treat for surrounding material. |
| Protection of firefighters | Firefighters should wear protective clothing including self contained breathing apparatus |
| Hazardous combustion products | May include and not limited to oxides of carbon, nitrogen, and oxides of sulfur. |
| Unusual Fire, Explosion hazards | None known. |

6. Accidental Release Measures

| | |
|----------------------------------|--|
| Personal precautions | Keep unnecessary personal away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing. Stay upwind of spills or leaks. |
| Methods for containment | Stop leak if you can do so without risk. Prevent entry into waterways, sewers. |
| Methods for cleaning up | Before attempting clean up refer to hazard data given above. Small spills may be absorbed with non reactive absorbent and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or water ways. Dike spill. Absorb spill with non reactive absorbent and place in a suitable, covered, labeled container for disposal. Never return spill to original container for reuse. |
| Environmental Precautions | Avoid release to the environment. |

7. Handling and Storage

| | |
|--------------------------------------|--|
| Precautions for Safe Handling | Use good industrial hygiene practices when handling this material |
| Conditions for Safe Storage | Keep out of reach of children. Keep from freezing, store in a cool dry place away from incompatible materials. |

8. Exposure Controls and Personal Protection

Exposure limits

| Ingredients | CAS-No | OSHA PEL | ACGIH TLV |
|--|-------------|---------------|---------------|
| Alcohols, C6-C10, ethoxylated propoxylated | 168987-81-5 | Not available | Not available |
| Alcohols, C9-C11, ethoxylated | 68439-46-3 | Not available | Not available |
| Terpene hydrocarbons | 5989-27-5 | Not available | Not available |
| Dipropylene glycol methyl ether | 34590-94-8 | 100 ppm TWA | 150ppm STEL |
| Propylene glycol n butyl ether | 5131-66-8 | 50 ppm TWA | Not available |

Engineering controls

General ventilation normally adequate

Personal protective equipment

Eye/Face protection

Wear safety glasses with side shields if splash conditions exist.

Hand protection

Rubber or nitrile gloves.

Skin and body

As required by employer code.

Respiratory protection

Use a NIOSH approved respirator when exposure guidelines are exceeded.

General hygiene considerations

Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|--|--|
| Appearance/form | Clear liquid |
| Color | Colorless |
| Odor | Solvent |
| Odor threshold | Not established |
| pH | 3.1-33 (Concentrate) |
| Melting point/freezing point | Not established |
| Initial Boiling point | > 212° F. (100° C.) |
| Flash point | > 200° F. (93° C.) EPA 1010 closed cup |
| Evaporation rate | Not established |
| Flammability | Not flammable |
| Upper/lower flammability or Explosive limits | Not established |
| Vapor pressure | Not established |
| Vapor density | Not established |
| Specific gravity/density | 0.990-1.002 |
| Solubility in water | Complete |
| Partition coefficient: | Not established |
| Auto ignition temperature | Not established |
| Decomposition temperature | Not established |
| Stability and Reactivity | Stable and non reactive under normal use and storage conditions. |
| VOC | < 8% |
| % Volatile | Approx. 92% |

Other safety Information

10. Stability and Reactivity

| | |
|----------------------------------|--|
| Reactivity | Not reactive under normal use and storage. |
| Chemical Stability | Stable under normal storage conditions. |
| Hazardous reactions | None known. |
| Conditions to avoid | Do not mix with other chemicals. |
| Incompatible materials | Strong oxidizers. |
| Hazardous decomposition products | May include but not limited to oxides of carbon, and oxides of sulfur. |
| Hazardous polymerization | Will not occur. |

11. Toxicological Information

| | |
|--|--|
| Ingredients | LC50 |
| Alcohols,C6-C10, ethoxylated, propoxylated | > 50mg/l (Inhalation-rat) 4 hours estimated |
| Alcohols,C9-C11, ethoxylated | No data available |
| Terpene hydrocarbons | No data available |
| Dipropylene glycol methyl ether | No data available |
| Propylene glycol n butyl ether | No data available |
| Ingredients | LD50 |
| Alcohols,C6-C10, ethoxylated propoxylated | 2745 mg/kg (Oral-rat), > 2000mg/kg (dermal-rat) estimated |
| Alcohols,C9-C11, ethoxylated | 1400 mg/kg (Oral-rat), > 5000mg/kg (Dermal-rat) |
| Terpene hydrocarbons | 4400mg/kg (Oral-rat), > 5000 mg/kg (Dermal-rat) |
| | Draize test, rabbit, eye: No eye irritation -168 hours |
| Dipropylene glycol methyl ether | 5152 mg/kg (Oral-rat), Dermal no data available |
| Propylene glycol n butyl ether | 5500 mg/kg (Oral-rat), > 2000mg/kg (Dermal-rat) |
| Effects of acute exposure | |
| Eye | Causes eye irritation |
| Skin | Causes mild irritation. May be absorbed through skin. Dipropylene glycol methyl ether, ACGIH skin notations. Potential for dermal absorption. |
| Inhalation | Not normally a route of entry. |
| Ingestion | May be harmful if swallowed. May cause stomach distress, nausea, or vomiting. |
| Sensitization | Contains a potential skin sensitizer. |
| Chronic effects of short and long term exposure | Prolonged exposure to skin may cause drying, defatting and irritation. May cause allergic reaction in some individuals. |
| Carcinogenicity | Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA. |
| Mutagenicity | No data available. |
| Reproductive effects | No data available. |
| Teratogenicity | No data available. |

12. Ecological Information

| | |
|---|---|
| Eco-toxicity | Components of this product have been identified as toxic with long lasting effects to the aquatic environment. |
| Environmental effects | No data available. |
| Aquatic toxicity | |
| Alcohols,C6-C10, ethoxylated propoxylated | LC50 Fish (primephales promelas): 1-10mg/l 96 hours EC50 Algae: 1-10 mg/l 48 hours EC50 Aquatic plants: 1-10 mg/l 120 hours |
| Alcohols,C9-C11, ethoxylated | LC50 Fish (fathead minnow): 6mg/l 96 hours EC50 Daphnia: 2.5mg/l 48 hours EC50 Algae: 0.95 mg/l |
| Terpene hydrocarbons | LC50 Fish (pimephales promelas): 0.702 mg/l 96 hours EC50 Daphnia: 0.421 mg/l 48 hours EC50 Algae: 1.81 mg/l |
| Dipropylene glycol methyl ether | LC50 Fish (pimephales promelas): > 10000 mg/l 96 hours EC50 Daphnia magna: 1919 mg/l 48 hours |
| Propylene glycol n butyl ether | LC50 Fish (Poecilia reticulata): 560-1000 mg/l 96 hours LC50 Water flea (Daphnia magna): > 1000 mg/l 48 hours |
| Persistence and Degradability | No data available |
| Bioaccumulation/accumulation | No data available. |
| Partition coefficient | No data available. |
| Mobility in environmental media | No data available. |



Chemical fate information No data available.
Other adverse effects No data available.

13. Disposal Considerations

Disposal instructions Dispose in accordance with local, state, and federal regulations
Wastes from residues/unused Product Containerize. Rinse area with water. Keep out of storm sewer/waterways.
Contaminated packaging Dispose in accordance with all applicable regulations.

14. Transport Information

Basic shipping requirements: Not DOT regulated
Proper shipping name
Hazard class
UN number
Packing group
Special provisions

15. Regulatory Information

U.S federal regulations This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA HCS 2012.

TSCA All ingredients are listed on the Toxic Substances Control Act or are exempt from listing.

CERCLA Super Fund 40CFR117.302 Product contains a material with a Reportable Quantity (RQ):
None

SARA Title III Section 311&312 Immediate (Acute) Health Hazard
Alcohols, C6-C10, ethoxylated propoxylated CAS#168987-81-5
Alcohols, C9-C11, ethoxylated CAS# 68439-46-3
Propylene glycol n butyl ether (CAS#5131-66-8)

SARA Title III Section 313 Ingredients subject to the reporting requirements of Section 313: None

California Proposition 65 This product does not contain intentional ingredients known to the State of California to cause cancer, birth defects or reproductive effects. However trace amounts of Ethylene oxide (CAS#71-25-8) and Propylene oxide (CAS#75-56-9) may be present and are listed as possible carcinogens in the state of California.

States Right to Know Reportable Chemicals:

| Inventory Status | Inventory Name | On Inventory (Yes/No)* |
|------------------|--------------------------|------------------------|
| Countries | | |
| U.S. | Chemical Inventory List | Yes |
| Canada | Domestic substances list | Yes |

• A øYesö indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.



16. Other Information

HMIS RATING

HMIS LEGEND

Severe 4
Serious 3
Moderate 2
Slight 1
Minimal

| | |
|---------------------|---|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |
| Personal Protection | B |

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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Supersedes date

Previous issues.

Reason for update

Conform to GHS OSHA HCS 2012.

Expiration date

May 1, 2018