

September 13th, 2023

70353 - Auto Deluxe Emergency Response Kit

This document contains the SDS documents for each components for the kit listed above.

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AIROSOL COMPANY, INC.

1206 Illinois

Phone 620-325-2666

Neodesha KS 66757

SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

PRODUCT NAME: **Mechanics Brand Air Force Tire Inflator**

PRODUCT NUMBER: **51129MB (12 oz cone), 51130MB (12 oz hose), 51132MB (20 oz hose), 51150MB (15 oz hose)**

CAS NUMBER: Mixture See Section 3.

HMIS: Health 1 Reactivity 0 Flammability 2 INFOTRAC: 1-800-535-5053

PRODUCT FAMILY: Tire Sealant

NFPA RATING AS AN AEROSOL: Level One Medical Emergency: 1-800-633-9576 (8AM-5PM central time)

SECTION 2: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW:

DANGER: EXTREMELY FLAMMABLE AEROSOL. PRESSURIZED CONTAINER MAY BURST IF HEATED.

Major Route(s) of Entry:



Signs and symptoms of Acute Exposure

EYE CONTACT: Mild Irritation

SKIN CONTACT: Mild Irritation

SKIN ABSORPTION: No toxic results are anticipated.

INGESTION: This product contains Ethylene Glycol, which can cause liver and kidney damage, even death.

INHALATION: Mild Irritation

CHRONIC HEALTH EFFECTS SUMMARY:

CONDITIONS AGGRAVATED BY EXPOSURE: Diethylene Glycol, a component of ethylene glycol, has caused liver and kidney damage in long-term studies on laboratory animals. Ethylene Glycol may cause birth defects based on tests with laboratory animals.

TARGET ORGANS: Liver, Kidney

CARCINOGENIC POTENTIAL: None Known

OSHA Health Hazard Classification

Irritant NO Toxic NO
Sensitizer NO Highly toxic NO
Corrosive NO Carcinogenic NO

OSHA Physical Hazard Classification

Combustible NO Explosive NO Pyrophoric NO
Flammable YES Oxidizer NO Water-Reactive NO
Compressed Gas YES Organic Peroxide NO Unstable NO

EFFECTS OF OVEREXPOSURE

EYE CONTACT: May cause mild irritation. Direct contact with the liquid or exposure to vapors or mist may cause stinging, tearing and redness. Propellant may cause freeze burns.

SKIN CONTACT: Liquid may cause mild irritation (defatting, dermatitis). May cause frostbite if exposed to direct spray. Warm skin slowly if frostbitten.

SKIN ABSORPTION: Contact may result in skin absorption, but symptoms of toxicity are not anticipated by this route alone under normal conditions of use.

INGESTION: Not likely as an aerosol but, if swallowed, effects of overexposure may include irritation of the digestive tract, nausea, vomiting, diarrhea, abdominal pain, visual disturbances, nervous system depression, kidney damage, coma and convulsions.

INHALATION: Breathing of vapors or mists produced under certain conditions of use may cause irritation of the nose, throat and respiratory tract headache and drowsiness.

SYSTEMIC AND OTHER EFFECTS: Persons with pre-existing skin disorders may be more susceptible to the effects of this material. Diethylene Glycol, a component of ethylene glycol, has caused liver and kidney damage in long-term studies on laboratory animals. Ethylene Glycol may cause birth defects based on tests with laboratory animals.

PRODUCT NAME: **Mechanics Brand Air Force Tire Inflator**

PRODUCT NUMBER: **51129MB (12 oz cone), 51130MB (12 oz hose), 51132MB (20 oz hose), 51150MB (15 oz hose)**

SECTION 3: COMPOSITION

COMPONENT NAME(S)	CAS NO	CONCENTRATION (%)
Propane	74-98-6	5-10
Butane	106-97-8	5-10
Ethylene Glycol	107-21-1	3-5

SECTION 4: FIRST AID MEASURES

Take proper precautions to ensure your own health and safety before attempting rescue or providing first aid. For more specific information, refer to Exposure Controls and Personal Protection in Section 8 of this MSDS.

IF SWALLOWED: Immediately call a **POISON CENTER/doctor**. Do **NOT** induce vomiting. If spontaneous vomiting is about to occur, place victims head between their knees to prevent aspiration. Call a physician or transport to an emergency facility immediately.

IF IN EYES: Rinse cautiously with water for several minutes. Lift upper and lower eyelids to ensure proper rinsing. Get medical attention if irritation persists.

IF ON SKIN: Wash skin with soap and water. Remove contaminated clothing and launder it before reuse. Should any irritation persist, get medical attention.

IF INHALED: Increase fresh air circulation or leave area. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. Get immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

NFPA Flammability Classification: LEVEL ONE Aerosol

FLASH POINT: Not Determined **FLAMMABLE LIMITS:** UEL 15.3 % LEL 1.9 %

EXTINGUISHING MEDIUM: AS APPROPRIATE FOR COMBUSTIBLES IN AREA.

SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus when fighting fires containing or around this product. Shut off all sources of ignition, if possible. Keep exposed containers cool with water spray to prevent rupture. Evacuate all non-trained personnel. Wear full protective clothing, including helmet. Ventilate area. Contain spill and dike, if possible. For leaks or spills water spray can be used to disperse any flammable vapors that may become concentrated or form in poorly ventilated areas and to protect personnel attempting to stop the leak.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Firefighters should wear SCBA's in a positive pressure mode with full face shield. Vapors are heavier than air and may travel long distances and accumulate in low areas or spread along ground from handling site. Eliminate all sources of ignition. Never use welding or cutting torch on or near this product because even just residue can ignite explosively.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Take proper precautions to ensure your own health and safety before attempting spill control or clean-up.

Ventilate area-especially low places where heavy vapors might collect. Extinguish all ignition sources. For small spills/leaks mop, wipe, or soak up on an inorganic material immediately. Remove to vent hood or outside. For large spills/leaks evacuate area, contain spill (dike area), and transfer contained liquid to a DOT approved container for disposal. Keep out of water supply. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personnel protective equipment.

PRODUCT NAME: **Mechanics Brand Air Force Tire Inflator**

PRODUCT NUMBER: **51129MB (12 oz cone), 51130MB (12 oz hose), 51132MB (20 oz hose), 51150MB (15 oz hose)**

SECTION 7: HANDLING AND STORAGE

When product has been dispersed into a tire the user **MUST ALERT** the repairman that this tire contains a highly flammable gas. This product comes with a peel-off sticker that must be placed on the tire after tire inflator has been used. Avoid sparks and open flames, use extreme caution when venting gas. **DO NOT** weld on rim or use a tire reamer until tire is completely removed from the rim.

Store in tightly sealed containers. Keep away from heat, sparks & open flame. Do not get in eyes, on skin or clothing. Do not breathe vapor, mist or gas. Do not store or transfer to an unmarked container. Do not throw empty containers in trash compactor. Do not store in direct sun. Store containers below 120°F. Read label before using.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Control airborne concentrations below the exposure limits see below. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Lethal concentrations may exist in areas with poor ventilation.

PERSONAL PROTECTIVE EQUIPEMNT: Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations. Minimum requirements are: SAFETY GLASSES and GLOVES.

RESPIRATORY PROTECTION (SPECIFY TYPE): If workplace exposure limit(s) of product or any component is exceeded (see Section two), a NIOSH approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH respirators (negative pressure type) under specified conditions (see your safety equipment supplier). Engineering or administrative controls should be implemented to reduce exposure.

HAND PROTECTION: For brief contact, no precautions should be needed. When prolonged or frequently repeated contact could occur, use protective gloves such as; polyvinyl alcohol or polyethylene.

EYE PROTECTION: Chemical splash goggles in compliance with OSHA regulations are advised; OSHA regulations also permit other type of safety glasses (consult your safety equipment supplier)

BODY PROTECTION: To prevent repeated or prolonged skin contact, use protective clothing impervious to this product. Selection of specific items such as gloves, boots, apron, or full body suit will depend on operation.

OCCUPATIONAL EXPOSURE GUIDELINES:

Substance	Applicable Workplace Exposure Levels	
	OSHA PEL	ACGIH
Propane	1000 ppm	NE
Butane	800 ppm	800 ppm
Ethylene Glycol	50 ppm	100 ppm

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid	COLOR: White	ODOR: Ammonical
SPECIFIC GRAVITY: 0.95-1.05 (Water =1)	pH: 9-12	VAPOR DENSITY (Air =1): Heavier Than
BOILING POINT RANGE: N/D	MELTING POINT /FREEZING POINT: N/D	
VAPOR PRESSURE (mmHg or psig @70°F): 50 psig		VISCOSITY (cps @ 70°F) N/D
SOLUBILITY IN WATER % BY WT.: Soluble		
VOLATILE ORGANIC COMPOUNDS (VOCs) Content: 20%		

PRODUCT NAME: **Mechanics Brand Air Force Tire Inflator**

PRODUCT NUMBER: **51129MB (12 oz cone), 51130MB (12 oz hose), 51132MB (20 oz hose), 51150MB (15 oz hose)**

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable, avoid open flames, welding arcs or other high temperature sources which induce thermal decomposition and direct sunlight.

INCOMPATIBILITY: Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, and carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION 11: TOXICOLOGICAL INFORMATION

No toxicological studies have been conducted on this product.

SECTION 12: ECOLOGICAL INFORMATION

No ecological studies have been conducted on this product.

ECOTOXICITY: If spilled this any water or soil contaminated may be hazardous to human, animal and aquatic life.

ENVIRONMENTAL FATE: The chemicals in this product are potentially toxic to freshwater and salt water ecosystems. They will normally float on water with their lighter components evaporating rapidly. In stagnant or slow-flowing waterways, a hydrocarbon layer can cover a large surface area. As a result this layer might limit or eliminate natural atmospheric oxygen transport into the water. Which with time could lead to a fish kill or an anaerobic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

Hazard characteristics and regulatory waste stream classification can change with product use. It is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.

When disposing of unused contents, the preferred options are to send to licensed reclaimers or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local laws and regulations. Do not dump into sewers, on the ground, or into any body of water.

EPA Hazardous Waste Number (RCRA): D001 (Ignitable)

SECTION 14: TRANSPORT INFORMATION

DOT STATUS: This material is regulated by the U.S. Department of Transportation (DOT).

PROPER SHIPPING NAME: (to ship on the ocean):

UN1950, Aerosols, Flammable (each not exceeding 1L capacity), 2.1, LTD. QTY

HAZARD CLASS: 2.1

PACKING GROUPS: None for aerosols

PLACARDS: None Required

EMERGENCY RESPONSE GUIDE NO: 126

PRODUCT NAME: **Mechanics Brand Air Force Tire Inflator**

PRODUCT NUMBER: **51129MB (12 oz cone), 51130MB (12 oz hose), 51132MB (20 oz hose), 51150MB (15 oz hose)**

SECTION 15: REGULATORY INFORMATION

TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS: Listed

311/312 HAZARD CATEGORIES:

Fire Hazard: YES Pressure Hazard: YES Reactivity Hazard: NO Immediate Hazard: NO Delayed Hazard: NO

SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III:

CHEMICAL	CAS NUMBER	CONCENTRATION %
Ethylene Glycol	107-21-1	3-5

FEDERAL EPA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) requires the notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (rqs) in 40 CFR 302.4.

CHEMICAL	CAS NUMBER	CONCENTRATION % UPPER BOUND	RQs IN #
Ethylene Glycol	107-21-1	3-5	5000

CALIFORNIA PROPOSITION 65 None listed

MASSACHUSETTS RIGHT TO KNOW: Yes

Propane	74-98-6	5-10
Butane	106-97-8	5-10
Ethylene Glycol	107-21-1	3-5

PENNSYLVANIA RIGHT TO KNOW: Yes

Propane	74-98-6	5-10
Butane	106-97-8	5-10
Ethylene Glycol	107-21-1	3-5

NEW JERSEY RIGHT TO KNOW: Yes

Propane	74-98-6	5-10
Butane	106-97-8	5-10
Ethylene Glycol	107-21-1	3-5

SECTION 16: OTHER INFORMATION

REVISION INFORMATION

VERSION NUMBER:1.0001 (Original, changed format 1-06-2000)

REVISION DATE: 8/15/2013

PRINT DATE:

ABBREVIATIONS:

N/A: Not Applicable

N/D: Not Determined

NE: Not Established

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

HMIS: Hazardous Materials Information System NFPA: National Fire Protection Association

EPA: US Environmental Protection Agency

NIOSH: National institute of Occupational Safety and Health

DISCLAIMER OF LIABILITY:

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Material Safety Data Sheet (MSDS)

Company: Yangzhou Suxiang Medical Instrument Co., Ltd
Issue date: May.06,2022

Product Name: Alcohol pad
According to ISO 11014-2009

Section 1 - Identification of the substance/mixture and of the company

Product identifier

Product name: Alcohol pad; Alcohol swab; Alcohol prep pad

1.1 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Cleaning and Disinfection of Skin.

Uses advised against: No information available.

1.2 Details of the supplier of the material safety data sheet

manufacturer: Yangzhou Suxiang Medical Instrument Co., Ltd.

Address: No. 18, Baoyan Road, Anyi Town, Baoying county, Yangzhou, Jiangsu, China

1.3 Emergency telephone number: 0514- 88282780

Section 2 - Hazards identification

2.1 Classification of the substance or mixture

Normal use without harm

2.2 Label elements

No major impact or harm

Precautionary statements:

- | | |
|---|---|
| P201 | Obtain special instructions before use. |
| P233 | Keep container tightly closed. |
| P240 | Ground/bond container and receiving equipment. |
| P241 | Use explosion-proof |
| electrical/ventilating/lighting.../equipment P242 | Use only non-sparking tools. |
| P243 | Take precautionary measures against static discharge. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. P303+P361+P353 |
| IF ON SKIN (or hair): | Take off immediately all contaminated clothing. |
| | Rinse skin with water/ shower. |
| P370+P378 | In case of fire: Use... to extinguish. |
| P403+P235 | Store in a well-ventilated place. Keep cool. |
| P501 | Dispose of contents/container in accordance with local/regional/national/international regulations. |

Material Safety Data Sheet (MSDS)

Company: Yangzhou Suxiang Medical Instrument Co., Ltd
Issue date: May.06,2022

Product Name: Alcohol pad
According to ISO 11014-2009

2.3 Other hazards:

No information available.

Section 3 – Composition/Information on Ingredient

3.1 Chemical characterization:

Mixtures Description:

Product: consisting of the following components.

Chemical Name	CAS No.	Concentration
Water	7732-18-5	30%
Isopropyl	67-63-0	70%

Section 4 - First Aid Measures

4.1 Description of first aid

measures General information:

In all cases of doubt, seek medical attention.

Following inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Following skin contact:

Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse

Following eye contact:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice/attention.

Following ingestion:

Call a doctor if you feel unwell. Rinse mouth.

Information for doctor:

No information available.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

No information available.

Material Safety Data Sheet (MSDS)

Company: Yangzhou Suxiang Medical Instrument Co., Ltd
Issue date: May.06,2022

Product Name: Alcohol pad
According to ISO 11014-2009

Section 5 – Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Use dry chemical, carbon dioxide, alcohol resistant foam or water spray.

Unsuitable extinguishing agents: No information available.

5.2 Special hazards arising from the substance or mixture

No information available.

5.3 Advice for firefighters

Fire-fighters should wear appropriate breathing apparatus and protective equipment. Prevent fire-fighting water from entering surface water or groundwater.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment as required.

6.2 Environmental precautions

Avoid release to the environment. Avoid discharge into drains, surface water or groundwater.

6.3 Methods and material for containment and cleaning up

Absorb with earth, sand or other non-combustible material and transfer to container.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

Section 7 - Handling and Storage

7.1 Handling

Use personal protective equipment as required.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed and in a cool, well-ventilated area.

Specific end use(s) No information available.

Section 8 - Exposure controls/personal protection

8.2 Exposure controls

Appropriate engineering controls: Provide local exhaust or process enclosure ventilation system.

Respiratory protection: Generally no special protection is required

Skin protection: Generally no special protection is required

Eye and face protection: Generally no special protection is required

Body protection: Generally no special protection is required

Environmental exposure controls: Avoid release to the environment. Avoid discharge into drains, surface water or groundwater.

Other protection: Attention to personal hygiene.

Material Safety Data Sheet (MSDS)

Company: Yangzhou Suxiang Medical Instrument Co., Ltd
Issue date: May.06,2022

Product Name: Alcohol pad
According to ISO 11014-2009

Section 9 - Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	Solid
Colour:	White
Odour:	Weak odor
Flash point:	N/A
Boiling point:	N/A

Other information:

Additional information: No data available.

Section 10 - Stability and Reactivity

10.1 Reactivity

Stable under recommended storage and handling conditions.

10.2 Chemical stability

Stable under normal conditions of use, storage and transport.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

Section 11 - Toxicological Information

Acute toxicity: No information available.

Skin corrosion/irritation: No information available.

Serious eye damage/irritation: No information available.

Respiratory or skin sensitization: No sensitizing effects known.

Toxicokinetics, metabolism and distribution: No information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction): No information available.

Material Safety Data Sheet (MSDS)

Company: Yangzhou Suxiang Medical Instrument Co., Ltd
Issue date: May.06,2022

Product Name: Alcohol pad
According to ISO 11014-2009

Section 12 - Ecological Information

12.1 Toxicity

Acquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB

assessment PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects

No information available.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Dispose in accordance with all applicable regional and local laws and regulations.

Section 14 - Transport Information

14.1 UN-Number

ADR/RID/ADN, IMDG, IATA N/A

14.2 UN proper shipping name

ADR/RID/ADN, IMDG, IATA N/A

14.3 Transport hazard class (es)

ADR/RID/ADN, IMDG, IATA

Class N/A

Label

14.4 Packing group

ADR/RID/ADN, IMDG, IATA N/A

14.5 Environmental hazards None

14.6 Additional information According to above requirement, no hazardous goods

Section 15 - Regulatory Information

No information available.

Material Safety Data Sheet (MSDS)

Company: Yangzhou Suxiang Medical Instrument Co., Ltd
Issue date: May.06,2022

Product Name: Alcohol pad
According to ISO 11014-2009

Section 16 - Additional Information

Reference: N/A

DISCLAIMER OF LIABILITY

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

End of document

Safety Data Sheet

Burn Cream

Issue Date: 6 November 2015

ORIGINAL



Section 1 - Chemical Product and Company Identification

Product Name	Burn Cream		
Synonyms	Not applicable	CAS No.	Not applicable
Molecular formula	Not applicable	Molecular mass	Not applicable
Manufacturer/Supplier	GFA PRODUCTION XIAMEN CO., LTD.		
Address	NO.20 HULI INDUSTRIAL PARK,MEI XI ROAD,TONG AN,XIAMEN,FUJIAN,CHINA		

Section 2 - Hazards Identification

Emergency overview	White gel. Not a hazardous substance or mixture.
OSHA regulatory	This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Potential health effects	Likely Routes of Exposure: Skin, eye, inhalation and ingestion. Skin Contact: No adverse health effects expected. Eye Contact: No adverse health effects expected. Inhalation: No adverse health effects expected. Ingestion: Large quantities swallowed may cause irritation to the gastrointestinal tract. See Section 11 for more information.
Potential environmental effects	This material is not expected to be toxic to aquatic life. See Section 12 for more information.

Section 3 - Composition/Information on Ingredient

Component	Range % by Wt.	CAS No.
Petroleum Jelly	99.37	8009-03-8
Lidocaine HCl	0.50	73-78-9
Benzalkonium chloride	0.13	8001-54-5

Section 4 - First Aid Measures

Skin contact	Not expected to require first aid measures. Immediately flush skin with plenty of water.
Eye contact	Not expected to require first aid measures. Immediately flush eyes with water. Get medical attention if irritation develops.
Inhalation	Not expected to require first aid measures. Get medical attention.
Ingestion	Not expected to require first aid measures. If swallowed, rinse thoroughly. Get medical attention immediately.
Note to Physicians	No information found.

Safety Data Sheet

Burn Cream

Issue Date: 6 November 2015

ORIGINAL



Section 5 - Fire Fighting Measures

Flammable properties	Not considered to be a fire hazard.
Extinguishing media	Use fire extinguishing methods suitable to surrounding conditions.
Unsuitable extinguishing media	None.
Hazardous combustion products	Carbon oxides.
Protection of firefighters	No information found.

Section 6 - Accidental Release Measures

Personal precautions	Use personal protection recommended in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.
Environmental precautions	Contain and recover liquid when possible. Avoid runoff into storm sewers and ditches which lead to waterways.
Methods for containment	In case of a small amount of release, absorb spill with inert material (e.g. vermiculite, sand or earth), as well as flush with plenty of water and dilute into the wastewater system. In case of great amount of release, collect spill with causeway or trench.
Methods for clean-up	Removal of ignition sources. A vapor suppressing foam may be used to reduce vapors. Place in suitable container or tanks, recycle or ship to the waste plant.
Other information	None.

Section 7 - Handling and Storage

Handling	Keep container tightly closed. Wash thoroughly after handling.
Storage	Stored in a cool, dry, ventilated area.

Section 8 - Exposure Controls, Personal Protection

Exposure guidelines	Petroleum Jelly (CAS: 8009-03-8): -Occupational Exposure Limits (OSHA): 5 mg/m ³ (TWA); -ACGIH Threshold Limit Values: 5 mg/m ³ (TWA).
Engineering controls	Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. Provide emergency eyewash and shower equipment.
Eye/face protection	Use tight-fitting goggles, face shield or safety glasses with side shields if eye contact might occur.
Skin protection	Wear general protective clothing.
Respiratory protection	Suitable respiratory protective device recommended.
General hygiene considerations	Wash thoroughly after handling. Have eye-wash facilities immediately available.

Safety Data Sheet

Burn Cream

Issue Date: 6 November 2015

ORIGINAL



Section 9 - Physical and Chemical Properties

Appearance and odor	White gel.	pH	No information found.
Freezing point (°C)	No information found.	Boiling point (°C)	No information found.
Density(water=1)	No information found.	Relative vapour density (air=1)	No information found.
Vapour pressure (kPa)	No information found.	Heat of combustion (kJ/mol)	No information found.
Critical temperature (°C)	No information found.	Critical pressure (MPa)	No information found.
Octanol/water partition coefficient as log Pow	No information found.	Flash point (°C)	No information found.
Auto-ignition temperature(°C)	No information found.	Solubility	No information found.
Upper explosive limits %(V/V)	No information found.	Lower explosive limits %(V/V)	No information found.
Other properties	No information found.	End uses	To help prevent infection.

Section 10 - Stability and Reactivity

Chemical stability	Stable under ordinary conditions of use and storage.
Conditions to avoid	Heat, flames, ignition sources and incompatibles.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides.
Possibility of hazardous reactions	Will not occur.

Section 11 - Toxicological Information

Acute toxicity	No information.
Inhalation	No information.
Eye irritation	No information.
Skin irritation	No information.
Sensitisation	No information.
Repeated dose toxicity	No information.
Carcinogenicity	All ingredients are not listed by IARC.
Mutagenicity	No information.
Reproductive effects	No information.
Delevopment effects	No information.

Safety Data Sheet

Burn Cream

Issue Date: 6 November 2015



ORIGINAL

Section 12 - Ecological Information

Ecotoxicity	This material is not expected toxic to aquatic life.
Persistence/ Degradability	No information.
Bioaccumulation/ Accumulation	No information.
Mobility in environment	No information.

Section 13 - Disposal Considerations

Disposal measures	Not regulated.
Notes	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14 - Transport Information

Regulations	US DOT	IATA DGR	IMDG Code
UN No.	Not regulated as a hazardous material.	Not regulated as a hazardous material.	Not regulated as a hazardous material.
Hazard Class	Not regulated.	Not regulated.	Not regulated.
Shipping Name	Not regulated.	Not regulated.	Not regulated.
Packing Group	Not regulated.	Not regulated.	Not regulated.
Packing method	Not regulated.	Not regulated.	Not regulated.

Section 15 - Regulatory Information

Component	CAS No.	TSCA	DSL	Section 302 (EHS)	Section 304 EHS RQ	CERC LARQ	Section 313	RCRA CODE	CAA 112(r) TQ
Petroleum Jelly	8009-03-8	Yes	Yes	No	No	No	No	No	No
Lidocaine HCl	73-78-9	Yes	Yes	No	No	No	No	No	No
Benzalkonium chloride	8001-54-5	Yes	Yes	No	No	No	No	No	No

Section 16 - Additional Information

Revision	0
Issue date	November 6, 2015
Prepared by	TÜV SÜD Products Testizng (Shanghai) Co.,Ltd. Guangzhou Branch
Checked by	TÜV SÜD Products Testizng (Shanghai) Co.,Ltd. Guangzhou Branch
Other information	-

Project No.: 721622569-5-B

Safety Data Sheet

Burn Cream

Issue Date: 6 November 2015

ORIGINAL



Disclaimer: This MSDS conforms to the requirements of 29CFR 1910.1200 and ANSI Z400.1/Z 129.1-2010. This MSDS is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.

This report replaces the original report 721622569-5-A

-END OF THE TEST REPORT-





Medique

MEDI-FIRST



Unifirst First Aid Corporation



February 7, 2022

Reference: Safety Data Sheets (SDS) for all Over-the-Counter drugs.

This letter serves as certification that all Unifirst First Aid Corporation OTC drug product brands and supplements (to include):

- Green Guard
- Medique
- Medi-First
- Medi First Plus
- Otis Clapp
- Dover

are exempt from the requirements for an SDS found in 29 CFR §1910.1200.

Specifically, the Occupational Safety and Health Administration's (OSHA) Hazard Communication Standard (HCS) exemption 29 CFR §1910.1200(b)(6)(vii) states:

"Any drug, as that term is defined in the Federal Food, Drug, and Cosmetic Act (21 U.S.C. 301 et seq.), when it is in solid, final form for direct administration to the patient (e.g., tablets or pills); drugs which are packaged by the chemical manufacturer for sale to consumers in a retail establishment (e.g., over-the-counter drugs); and drugs intended for personal consumption by employees while in the workplace (e.g., first aid supplies)."

Our over-the-counter (OTC) drugs and supplemental products, are prepackaged for retail sale in final dosage forms and are supplied for patient care. Our items do not pose a danger to persons handling the products in the forms in which they are supplied.

Therefore, our over-the-counter drugs and supplements are exempt from OSHA Hazard Communication Standard requirements (the requirement for an SDS) from the time of packaging regardless of the product's final physical form.

Unifirst First Aid OTC drug product brands are regulated by the Food and Drug Administration according to 21 CFR § 211.132.

Debra A. Lehnus 2-7-22

Debra A. Lehnus

Quality Assurance / Regulatory Manager

17080 Alico Commerce Ct., Suite 4, Fort Myers, FL 33967

888 887 7887 F 888 887 7887



SUBJECT Material Safety Data Sheet

TEST LOCATION TÜV SÜD China

TÜV SÜD Products Testizng (Shanghai) Co.,Ltd. Guangzhou Branch
4F, Communication Building, 163 Pingyun Rd, Huangpu West Ave.
Guangzhou 510656 P. R. China

CLIENT NAME GFA PRODUCTION XIAMEN CO., LTD.

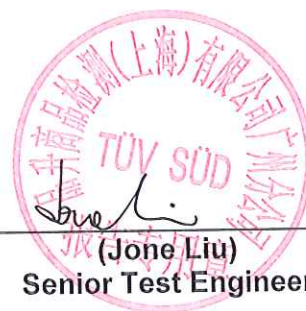
CLIENT ADDRESS NO.20 HULI INDUSTRIAL PARK,MEI XI ROAD,TONG
AN,XIAMEN,FUJIAN,CHINA

PREPARATION PERIOD 22-Oct-2015~06-Nov-2015

SUMMARY MSDS conforms to the requirements of Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Regulation (EC) No 453/2010) and Classification, Labelling and Packaging of Substances and Mixtures (Regulation (EC) No 1272/2008)

Prepared By: Kola Liang
(Kola Liang)
Assistant CS
Representative

Authorized By: Jone Liu
(Jone Liu)
Senior Test Engineer



Safety Data Sheet

Triple Antibiotic Ointment
Issue Date: 6 November 2015



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Section 1 - Chemical Product and Company Identification

Product Name	Triple Antibiotic Ointment		
Synonyms	Not applicable	CAS No.	Not applicable
Molecular formula	Not applicable	Molecular mass	Not applicable
Manufacturer/Supplier	GFA PRODUCTION XIAMEN CO., LTD.		
Address	NO.20 HULI INDUSTRIAL PARK,MEI XI ROAD,TONG AN,XIAMEN,FUJIAN,CHINA		

Section 2 - Hazards Identification

Emergency overview	Offwhite gel. Not a hazardous substance or mixture.
OSHA regulatory	This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
Potential health effects	Likely Routes of Exposure: Skin, eye, inhalation and ingestion. Skin Contact: No adverse health effects expected. Eye Contact: No adverse health effects expected. Inhalation: No adverse health effects expected. Ingestion: Large quantities swallowed may cause irritation to the gastrointestinal tract. See Section 11 for more information.
Potential environmental effects	This material is not expected to be toxic to aquatic life. See Section 12 for more information.

Section 3 - Composition/Information on Ingredient

Component	Range % by Wt.	CAS No.
Vaseline	96.41	8009-03-8
Mineral oil	2.00	8042-47-5
Bacitracin Zinc	1.00	1405-87-4
Neomycin Sulfate	0.51	1404-04-2
Polymyxin B sulfate	0.08	1405-20-5

Section 4 - First Aid Measures

Skin contact	Not expected to require first aid measures. Immediately flush skin with plenty of water.
Eye contact	Not expected to require first aid measures. Immediately flush eyes with water. Get medical attention if irritation develops.
Inhalation	Not expected to require first aid measures. Get medical attention.
Ingestion	Not expected to require first aid measures. If swallowed, rinse thoroughly. Get medical attention immediately.
Note to Physicians	No information found.

报告

Safety Data Sheet

Triple Antibiotic Ointment
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Section 5 - Fire Fighting Measures

Flammable properties	Not considered to be a fire hazard.
Extinguishing media	Use fire extinguishing methods suitable to surrounding conditions.
Unsuitable extinguishing media	None.
Hazardous combustion products	Carbon oxides, nitrogen oxides (NOx), Sulphur oxides.
Protection of firefighters	No information found.

Section 6 - Accidental Release Measures

Personal precautions	Use personal protection recommended in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.
Environmental precautions	Contain and recover liquid when possible. Avoid runoff into storm sewers and ditches which lead to waterways.
Methods for containment	In case of a small amount of release, absorb spill with inert material (e.g. vermiculite, sand or earth), as well as flush with plenty of water and dilute into the wastewater system. In case of great amount of release, collect spill with causeway or trench.
Methods for clean-up	Removal of ignition sources. A vapor suppressing foam may be used to reduce vapors. Place in suitable container or tanks, recycle or ship to the waste plant.
Other information	None.

Section 7 - Handling and Storage

Handling	Keep container tightly closed. Wash thoroughly after handling.
Storage	Stored in a cool, dry, ventilated area.

Section 8 - Exposure Controls, Personal Protection

Exposure guidelines	Petroleum Jelly (CAS: 8009-03-8): -Occupational Exposure Limits (OSHA): 5 mg/m ³ (TWA); -ACGIH Threshold Limit Values: 5 mg/m ³ (TWA).
Engineering controls	Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. Provide emergency eyewash and shower equipment.
Eye/face protection	Use tight-fitting goggles, face shield or safety glasses with side shields if eye contact might occur.
Skin protection	Wear general protective clothing.
Respiratory protection	Suitable respiratory protective device recommended.
General hygiene considerations	Wash thoroughly after handling. Have eye-wash facilities immediately available.

Safety Data Sheet

Triple Antibiotic Ointment

Issue Date: 6 November 2015



Section 9 - Physical and Chemical Properties

Appearance and odor	Offwhite gel.	pH	No information found.
Freezing point (°C)	No information found.	Boiling point (°C)	No information found.
Density(water=1)	No information found.	Relative vapour density (air=1)	No information found.
Vapour pressure (kPa)	No information found.	Heat of combustion (kJ/mol)	No information found.
Critical temperature (°C)	No information found.	Critical pressure (MPa)	No information found.
Octanol/water partition coefficient as log Pow	No information found.	Flash point (°C)	No information found.
Auto-ignition temperature(°C)	No information found.	Solubility	No information found.
Upper explosive limits %(V/V)	No information found.	Lower explosive limits %(V/V)	No information found.
Other properties	No information found.	End uses	To help prevent infection.

Section 10 - Stability and Reactivity

Chemical stability	Stable under ordinary conditions of use and storage.
Conditions to avoid	Heat, flames, ignition sources and incompatibles.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides, nitrogen oxides (NOx), Sulphur oxides.
Possibility of hazardous reactions	Will not occur.

Section 11 - Toxicological Information

Acute toxicity	Bacitracin Zine (CAS: 1405-87-4): oral mouse LD50 > 3787.5 mg/kg. Polymyxin B sulfate (CAS: 1405-20-5): oral mouse LD50 = 790 mg/kg.
Inhalation	No information.
Eye irritation	No information.
Skin irritation	No information.
Sensitisation	No information.
Repeated dose toxicity	No information.
Carcinogenicity	All ingredients are not listed by IARC.
Mutagenicity	No information.
Reproductive effects	No information.
Delevopment effects	No information.

Safety Data Sheet

Triple Antibiotic Ointment
Issue Date: 6 November 2015

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Section 12 - Ecological Information

Ecotoxicity	This material is not expected toxic to aquatic life.
Persistence/ Degradability	No information.
Bioaccumulation/ Accumulation	No information.
Mobility in environment	No information.

Section 13 - Disposal Considerations

Disposal measures	Not regulated.
Notes	Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

Section 14 - Transport Information

Regulations	US DOT	IATA DGR	IMDG Code
UN No.	Not regulated as a hazardous material.	Not regulated as a hazardous material.	Not regulated as a hazardous material.
Hazard Class	Not regulated.	Not regulated.	Not regulated.
Shipping Name	Not regulated.	Not regulated.	Not regulated.
Packing Group	Not regulated.	Not regulated.	Not regulated.
Packing method	Not regulated.	Not regulated.	Not regulated.

Section 15 - Regulatory Information

Component	CAS No.	TSCA	DSL	Section 302 (EHS)	Section 304 EHS RQ	CERC LARQ	Section 313	RCRA CODE	CAA 112(r) TQ
Vaseline	8009-03-8	Yes	Yes	No	No	No	No	No	No
Mineral oil	8042-47-5	Yes	Yes	No	No	No	No	No	No
Bacitracin Zinc	1405-87-4	Yes	Yes	No	No	No	No	No	No
Neomycin Sulfate	1404-04-2	Yes	Yes	No	No	No	No	No	No
Polymyxin B sulfate	1405-20-5	Yes	Yes	No	No	No	No	No	No

Safety Data Sheet

Triple Antibiotic Ointment
Issue Date: 6 November 2015



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Section 16 - Additional Information

Revision	0
Issue date	November 6, 2015
Prepared by	TÜV SÜD Products Testizng (Shanghai) Co.,Ltd. Guangzhou Branch
Checked by	TÜV SÜD Products Testizng (Shanghai) Co.,Ltd. Guangzhou Branch
Other information	-

Disclaimer: This MSDS conforms to the requirements of 29CFR 1910.1200 and ANSI Z400.1/Z 129.1-2010. This MSDS is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.

This report replaces the original report 721622569-6-A

-END OF THE TEST REPORT-

BZK PAD MSDS

1. Identification of the Substances/Preparation and of the Company/Undertaking

Product Details

Trade Name: BZK wipes

Intended Use: Cleaning and Disinfection of Skin.

Manufacturer/Supplier: YangZhou SuXiang Medical Instrument CO.,Ltd

Bustling Road No.1 Economic Development Zone BaoYing County JiangSu

China

Contact Person: Bian Xiangli

Tel: +86 514 88282678

Fax: +86 514 88282678

2. Composition/Information on Ingredients

	Component	Percentage	CAS Number
1	Benzalkonium chloride	0.13%	8001-54-5
2	Purified water	99.87%	7732-18-5
3	Non-woven	--	

3. Hazards Identification

Indication of Danger: flammable liquid medicinal and cosmetic products in the finished form, intended for the final users are not subject the directive relating to the classification, packaging and labeling of dangerous preparations (1999/45/EC)

Potential Health Effects

Eye Contact: slight eye irritant. May cause redness or swelling.

Skin Contact: Essentially non-irritating.

Inhalation: Under normal conditions of use and handling, no inhalation hazard is present.

Ingestion: May be irritating to the mouth, throat, and gastrointestinal system. Vomiting and diarrhea expected with large doses.

Potential Environmental Effects: the presence of large will damage ecological environment.

4. First-Aid Measures

Eye Contact: Wash immediately for at least 15 minutes with abundant water, if the irritation persists, consult a medical practitioner.

Skin Contact: No danger if the prescriptions use is followed. Remove contaminated clothes

and wash them.

Inhalation: Do not induce vomiting. Then rinse the mouth with water, immediately consult a doctor or a poison centre.

Ingestion: Bring the injured in the open air, if the uneasiness persists, consult a doctor.

5. Fire-Fighting Measures

This product is not easy to burn

6. Accidental Release measures

Personal Precautions: Use personal protection recommended in section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Precautions to protect the environment: should not be released into the environment. Prevent the product from entering drains. If large quantities enter a waterway, advise local authorities.

Methods for cleaning up: Floor may become slippery. Dike and contain large spills with inert material (sand, earth...) and transfer for disposal. Thoroughly wash the area with water after a spill or leak.

7. Handling and Storage

Handling: Avoid contact with eyes. for external use only.

Storage: keep out of the reach of children. Store upright and in original container. Keep container closed during storage. do not store at high temperature.

8. Exposure Controls/Personal Protection

Exposure limits:

Engineering controls: ventilation is not normally required.

Personal protective equipment:

respiratory protection: no special requirements with normal household use.

Skin protection: no special requirements with normal household use. Wear gloves if handling large quantities.

Eye protection: no special requirements with normal household use. Avoid contact with eyes. Wear safety glasses or goggles if handling large quantities

9. Physical and Chemical Properties

General information

Odor: Tasteless

Color: Transparent

Physical state: Liquid

pH: 6.5

Melting point/range	N/A
Boiling point/range	N/A
Ignition temperature:	N/A
Flash point:	N/A
Density:	N/A
Relative vapor density(air=1):	N/A
Vapor pressure:	N/A
Evaporation rate &reference:	N/A
Solubility in water:	soluble
Explosion limits in air - upper:	N/A
Explosion limits in air - lower:	N/A

10. Stability and Reactivity

Stability: stable under recommended storage conditions. Keep in a cool place.

Incompatibility (materials to avoid): do not mix with other chemicals.

Conditions to avoid: source of ignition

Hazardous decomposition products: a few.

Hazardous polymerization: will not occur.

11. Toxicological Information

Acute Toxicity

The acute toxicity of this product has not been determined.

Component toxicity

Chronic effects: No chronic health effects under normal use.

Carcinogenic effects: Not currently known

Sensitization: No previous negative effects (sensitization) known.

Epidemiology; Not currently known.

Mutagenic effects: Not currently known.

Reproductive toxicity: Not currently known.

12. Ecological information

Ecotoxicity: A large number of emissions of pollution to the environment.

Products of biodegradation: possible hazardous short term degradation products are not likely. However, long term degradation products were arise.

13. Disposal Considerations

Bulk Quantities Waste Disposal Methods: For uncontaminated material the disposal options include mechanical and chemical recycling or energy recovery. For contaminated material the options remain the same. Although additional evaluation is required. Waste must be disposed of in accordance with relevant EC directives and national, regional and local environmental

control regulations. For disposal within the EC, the appropriate code according to the European waste catalogue (EWC) should be used.

14. Transport Information

Land transport ADR/RID

No danger

Maritime transport IMDG

No danger

Air transport IATA/ICAO

No danger

15. Regulatory Information

European information

1. European community directive 67/548/EC governing the classification, packaging and labeling of dangerous substances, including adaptation to technical progress (ATP), 2006/121/EC.
2. Directive 1999/45/EC concerning the approximation of the laws, regulations and administrative provisions of the member states relating to the classification, packaging and labeling of dangerous preparations.
3. Regulation (EC) 1907/2006/EC concerning the registration, evaluation, authorization and restriction of chemicals (REACH), establishing a European chemicals agency.

EU labeling

Symbol: medicinal and cosmetic products in the finished form, intended for the final users are not subject the directive relating to the classification, packaging and labeling of dangerous preparations(1999/45/EC)

Risk Phrase: none.

Safety phrase: none.

16. .Other information

Full text of R-phrases referred to under sections 2:

- R22 harmful if swallowed.
R23 toxic by inhalation.
R24 toxic in contact with skin.
R25 toxic if swallowed.
R36 irritating to eyes.
R37 irritating to respiratory.
R38 irritating to skin.
R30 danger of very serious irreversible effects.
R41 risk of serious damage to the eyes.
R50 very toxic to aquatic organisms.
R66 repeated exposure may cause skin dryness cracking.

R67 Vapours may cause drowsiness and dizziness.

Full text of classifications referred to under sections 2:

Xi irritant
F flammable
Xn harmful
T toxic
N dangerous to environment

Abbreviations: mg/m³ - Milligrams Per Cubic Meter

pH – Relates to hydrogen ion concentration – this value will relate to a scale of 0 – 14, where 0 is highly acidic and 14 is highly alkaline

OSHA – Occupational safety and health

NTP – National Toxicology Program

IARC – International Agency for Research on Cancer

CAS# - Chemical Abstract Service number – used to uniquely identify chemical compounds

ADR- Agreement on dangerous goods by road

RID – Regulations concerning the international carriage of dangerous goods by rail

ICAO – International civil aviation organization

IATA – International air transport association

IMO – International marine organization

IMDG – International maritime dangerous goods

Further information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet was prepared in accordance with REACH (EC) No 1907/2006.

Department Issuing MSDS: This MSDS Service is provided by YangZhou SuXiang Medical Instrument CO.,Ltd

Issue date July 25, 2013

This MSDS Service is provided by YangZhou SuXiang Medical Instrument CO.,Ltd

Signed for and on behalf of

Lander testing lab

Bian Xiangli
Chemistry lab engineer
Date: January 25, 2021

Sage Security Products Inc.

Safety Data Sheet

Date: May 01, 2015

Revised: June 22, 2021

1. PRODUCT & COMPANY IDENTIFICATION

Product Name	: Activated 4" & 6" Sage Light Sticks – All Colors
Product Code	: 0408H, 0412H, 0608H, 0612H, 0608NV
Company Identification	
Company Name	: Sage Security Products, Inc.
Address	: P.O. Box 3855 Pinehurst, NC 28374
Department	: Research & Development Department
Telephone	: 910-696-1800
Emergency Telephone	: 910-696-1800
Fax	: 910-637-6469

2. HAZARD IDENTIFICATION

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

PHYSICAL HAZARD

Flammable liquids	: Not classified
Oxidizing liquids	: Not classified

HEALTH HAZARDS

Acute toxicity (oral)	: Not classified
Acute toxicity (skin)	: Not classified
Acute toxicity (inhalation: vapor)	: Category 5
Skin corrosion / irritation	: Category 3
Serious eye damages / eye irritation	: Category 2
Germ cell mutagenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity; single exposure	: Category 3 (anesthetic action)

ENVIRONMENTAL HAZARDS

Aquatic environmental toxicity	: Not classified
--------------------------------	------------------

GHS LABEL ELEMENTS

PICTOGRAMS OR HAZARD SYMBOLS



SIGNAL WORD

: Warning

HAZARD STATEMENTS

: May be harmful if inhaled
 Cause mild skin irritation
 Cause eye irritation
 May cause respiratory irritation (anesthetic action)

PRECAUTIONARY STATEMENTS (For the content liquid)

PREVENTION

- Wear protective gloves/eye protection/face protection
- Wash thoroughly after handling
- Avoid release to the environment

RESPONSE

- If on skins: Wash with plenty of soap and water.
- If on skins (or hair): Remove/take off immediately all containment clothing. Rinse skin with water/shower. Wash containment clothing before reuse.
- If inhaled: Remove person to fresh air and keep comfortable for breathing.
- If skin irritation occurs: Get medical advice/attention.
- If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present.
- If eye irritation persists: Get medical advice/attention.

3. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/MIXTURE	: Mixture	
CHEMICAL NAME & COMPOSITION (wt.%)	: (1) Polyethylene	55.6%
	(2) Glass	6.9%
	(3) Acetyl Tributyl Citrate	16.00%
	(4) Dimethyl Phthalate	8.3%
	Diethylene Glycol	
	(5) Monoethyl Ether	3.0%
	(6) Benzyl Benzoate	7.3%
	(7) CPPO	2.6%
	(8) Hydrogen Peroxide	0.4%
	(9) Catalyst	<0.1%
	(10) Fluorescer	<0.1%
	(11) Antioxidant	<0.1%
CAS No.	(1) Polyethylene	9002-88-4
	(2) Glass	308066-74-2
	(3) Acetyl Tributyl Citrate	77-90-7
	(4) Dimethyl Phthalata	131-11-3
	Diethylene Glycol	
	(5) Monoethyl Ether	111-90-0
	(6) Benzyl Benzoate	120-51-4
	(7) CPPO	30431-54-0
	(8) Hydrogen Peroxide	7722-84-1

4. FIRST-AID MEASURES (For the content liquid)

INHALATION

-Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention immediately.

SKIN CONTACT

-Remove/Take off immediately all contaminated clothing and wash thoroughly before reuse.

Wash with soap and water.

-Rinse skin with water/shower.

-If skin irritation/rash occurs or feel unwell, seek medical advice/attention.

EYES CONTACT

-Rinse cautiously with water several minutes or more. Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists, get medical advice/attention.

-Even if it is very small amount contact, rinse by clean water for 15 minutes or more, and seek Ophthalmologist's advice/attention.

INGESTION

-Get medical advice/attention if you feel unwell.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA

Dry chemical powder, carbon dioxide, large volume of foam.

SPECIFIC EXTINCTION METHOD

- Fighters should work from the windward side.
- Evacuate all personnel from affected area.

SPECIAL PROTECTIVE FOR FIRE-FIGHTERS

- In the extinction work, an appropriate protective equipment (gloves, glasses, and mask) has to be worn.
 - During a fire, hazardous gases may be generated, fire-fighters have to wear self-contained breathing apparatus and other protective equipment.
-

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

- Wear appropriate personal protective equipment's while clearing up the spills.
- Workers should work from the windward side.
- Evacuate all person downwind from affected area.

ENVIRONMENTAL PRECAUTIONS

Disposal is to be done in compliance with federal, state/provincial and local regulations.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Absorb spilled material in a suitable absorbent (e.g. rag, dry sand, earth, sawdust). In case of large amount of spillage, surround it by banking to avoid the spills spread out. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

7. HANDLING AND STORAGE

HANDLING (For the content liquid)

TECHNICAL MEASURE

Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent generation of vapor or mist. Wash hands and face thoroughly after handling.
Use a closed system if possible. Use a ventilation, local exhaust ventilation if vapor or aerosol will be generated. Keep away from heat/sparks/open flames/hot surfaces.

ADVICE ON SAFE HANDLING

- Avoid all contact!
- Confirm in advance if peroxides exist when operations involving heating such as distillation are carried out.

STORAGE

STORAGE CONDITION

- Keep container tightly closed. Store in a cool and dark place.
- Store under inert gas.
- Protect from moisture.
- Store in a lockable place.
- Store away from incompatible materials such as oxidizing agents.

PACKING MATERIALS

- Containers which are compliant to the Fire and Disaster Management Act and UN transport regulations should be used.
-

8. EXPOSURE CONTROLS / PERSONAL PROTECTION (For the content liquid)

FACILITY AND EQUIPMENT MEASURES

- Provide eye washing tools and safety shower.
- Provide local exhaust ventilation.

CONTROL LIMIT

: Not established

OCCUPATIONAL EXPOSURE LIMITS

- ACGIH : TLV-TWA Dimethyl Phthalate ³⁾ 5 mg/m³

PERSONAL PROTECTIVE EQUIPMENT	TLV-TWA Hydrogen Peroxide ⁹⁾ 1 ppm
-Respiratory protection	: Gas mask, simple gas mask, etc.
-Eye protection	: Protection glasses with shroud, or protection surface.
-Hand protection	: Protective gloves
-Skin and body protection	: Protective clothing and protection boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Columnar solid
Odor	: Odorless
pH	: No data
Melting point	: No data
Boiling point	: No data
Flash point (contents)	: 110 °C (Closed Cup)
Explosion properties	: No data
Vapor pressure	: No data
Vapor density	: No data
Specific gravity	: 1.10 (inner solution)
Solubility in water	: Slightly soluble
Octanol/water partition coefficient	: No data
Ignition point	: No data
Decomposition temperature	: No data

10. STABILITY AND REACTIVITY

STABILITY	: Stable under proper conditions
REACTIVITY	: No special reactivity has been reported.
CONDITIONS TO AVOID	: Very high or low temperatures and light.
HAZARDOUS DECOMPOSITION PRODUCTS	: Carbon monoxide, Carbon dioxide, Hydrogen chloride ^{1) - 10)}

11. TOXICOLOGICAL INFORMATION

Acute toxicity(oral)	: Not classified. The oral toxicity of this product is estimated to be 25,613 mg/kg based on an assessment of the ingredients ^{2), 5), 7), 8), 9)} .
Acute toxicity(skin)	: Not classified. The skin toxicity of this product is estimated to be 80,156 mg/kg based on an assessment of the ingredients ^{2), 3), 5), 7) 8), 11)} .
Acute toxicity(inhalation: vapor)	: Category 5. The inhalation toxicity of this product is estimated to be 530 mg/L based on an assessment of the ingredients ^{3), 6), 7) - 9)} .
Skin corrosion/irritation	: Category 3. The skin corrosion/irritation of this product was classified as Category 3 based on an assessment of the ingredients ^{1) - 10)} .
Serious eye damage/eye irritation	: Category 2. The serious eye damages/eye irritation of this product was classified as Category 2 based on a n assessment of the ingredients ^{1) - 10)} .
Respiratory or skin sensitization	: No data available
Germ cell mutagenicity	: Not classified. Chemicals of Category 1 is not contained more than 0.1% and category 2 is not contained more than 1.0% ^{1) - 10)} .
Carcinogenicity	: No data available
Reproductive toxicity	: Not classified. Chemicals of Category 1 is not contained more than 0.3% and category 2 is not contained more than 3.0% ^{1) - 10)} .
Specific target organ systemic toxicity; single exposure:	Category 3(anesthetic action). This product contains Dimethyl Phthalate. ^{1) - 10)} .
Specific target organ systemic toxicity; repeated exposure:	Not classified. Chemicals of Category 1 is not contained more than 1.0% and category 2 is not contained more than 1.0% ^{1) - 10)} .

Aspiration hazard : No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity : No data
 Persistence/degradability : No data
 Bioaccumulative potential (BCF) : No data
 Mobility in soil : No data

13. DISPOSAL CONSIDERATIONS

- Let a licensed disposal company handle the surplus and non-recyclable solutions.
- Observe all federal, state, and local regulations when disposing of the substance.

14. TRANSPORT INFORMATION

HAZARD CLASS : Class-4 No. 3 petroleum's Dangerous grade 3
 UN-No. : Not Listed
 RID/ADR/IMDG/IATA : Not restricted

15. JAPANESE REGULATORY INFORMATION (For the content liquid)

Fire Defense Law : Class-4 No. 3 petroleum's Dangerous grade 3
 ISHL (Article 57) : Dangerous or Harmful Substances Subject to Notify their Names etc.
 ISHL (Article 57-2) : Dangerous or Harmful Substances Subject to Notify their Names, etc.
 Marine Pollution Prevention law : Noxious liquid substance, "Category Z" (Execution Law, Separate Table 1)

16. OTHER INFORMATION

REFERENCES

1. The Material Safety Data Sheet (MSDS) of Acetyl Tributyl Citrate by Tokyo Chemical Industry Co., Ltd (2012)
2. M. Hirata et al., *Bull. Natl. Inst. Health Sci.*, **2012**, 130, 31-42
3. The Material Safety Data Sheet (MSDS) of Dimethyl Phthalate by Wako Pure Chemical Industries, Ltd. (2010)
4. The Material Safety Date Sheet (MSDS) of Diethylene Glycol Monomethyl Ether published by Tokyo Chemical Industry Co., Ltd. (2012)
5. The Material Safety Data Sheet (MSDS) of Diethylene Glycol Monomethyl Ether published by Junsei Chemical Co. Ltd. (2001)
6. The Material Safety Data Sheet (MSDS) of Diethylene Glycol Monomethyl Ether published by Sigma Aldrich. (2012)
7. The Material Safety Data Sheet (MSDS) of Benzyl Benzoate published by Nakalai tesque, Ink. (2002)
8. The Material Safety Data Sheet (MSDS) of Bis-(3, 4, 6-trichloro-2-(pentyloxy carbonyl)phenyl)oxalate by Tokyo Chemical Industry Co., Ltd. (2012)
9. The Material Safety Data Sheet (MSDS) of Hydrogen Peroxide published by Wako Pure Chemicals Industries, Ltd. (2011)
10. EU-RAR(2003)

This SDS was prepared based on the information we can get at the time of preparation; however, any warranty shall not be given regarding the data contained and the assessment of hazards and toxicity. Prior to use, please investigate not only the hazards and toxicity information but also the laws and regulations of the organization, area and country where the products are to be used, which shall be given the first priority. Products are supposed to be used promptly after purchase in consideration of safety.