

Other hazards which do not result in classification

Eye: May cause eye irritation
 Skin: May cause mild skin irritation
 Ingestion: Large oral doses may cause irritation
 Inhalation: Avoid breathing dust when used in a buffing process
 Chronic: None expected

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

Component	Concentration
Distillates, petroleum, hydrotreated light (CAS no.: 101631-19-0; EC no.: 309-944-0; Index no.: 649-434-00-8)	40 - 40 % (weight)
CLASSIFICATIONS: Aspiration hazard, Cat. 1; Flammable liquids, Cat. 4; Hazardous to the aquatic environment, long-term (chronic), Cat. 2; Specific target organ toxicity (single exposure), Cat. 3; Skin corrosion/irritation, Cat. 2. HAZARDS: H227 - Combustible liquid; H304 - May be fatal if swallowed and enters airways; H315 - Causes skin irritation; H335 - May cause respiratory irritation; H336 - May cause drowsiness or dizziness; H411 - Toxic to aquatic life with long lasting effects.	
Water (CAS no.: 7732-18-5; EC no.: 231-791-2)	26.5 - 26.5 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Aluminum oxide (CAS no.: 1344-28-1; EC no.: 215-691-6)	20.5 - 20.5 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
TRIETHANOLAMINE STEARATE (CAS no.: 4568-28-9; EC no.: 224-945-5)	3.5 - 3.5 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
FATTY ACIDS, TALL OIL, POLYMERS WITH GLYCEROL, MALEIC ANHYDRIDE, (CAS no.: 68015-41-8)	3.5 - 3.5 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Mineral oil (CAS no.: 8042-47-5; EC no.: 232-455-8)	3 - 3 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.	
Alcohols, C10-12, ethoxylated propoxylated (CAS no.: 68154-97-2)	3 - 3 % (weight)
CLASSIFICATIONS: No data available. HAZARDS: No data available.	

Trade secret statement (OSHA 1910.1200(i))

*The specific chemical identities and/or actual concentrations or actual concentration ranges for one or more listed components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).

SECTION 4: First-aid measures

Description of necessary first-aid measures

If inhaled	If exposed to excessive levels of dust, remove to fresh air. Get medical attention if cough, irritation or other symptoms develop.
In case of skin contact	Rinse with plenty of water. Get medical attention if irritation develops and persists.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes. Get medical attention if symptoms occur.
If swallowed	Swallowing less than an ounce will not cause significant harm. For larger amounts do not induce vomiting, but give two 12 ounce glasses of water and obtain medical advice.

Most important symptoms/effects, acute and delayed

No data available

Indication of immediate medical attention and special treatment needed, if necessary

No data available

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Specific hazards arising from the chemical

Distillates, petroleum, hydrotreated light: Carbon oxides

Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Use personal protective equipment. For personal protection see section 8.

Methods and materials for containment and cleaning up

Sweep up and shovel for reuse or reclaim if possible. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

Precautions for safe handling

Avoid contact with skin and eyes. Do not eat, drink or smoke while handling. Wash hands with soap and water after handling. For precautions see section 2.

Conditions for safe storage, including any incompatibilities

Store in a well ventilated place. Keep container tightly closed. Store between the following temperatures: 40 and 120 Fahrenheit and out of direct sunlight and away from incompatible materials. See Section 10 for information on Incompatible Materials. Keep out of reach of children.

SECTION 8: Exposure controls/personal protection

Control parameters

1. Mineral oil (CAS: 8042-47-5 EC: 232-455-8)

ST (Inhalation): 10 mg/m³; USA (OSHA)

USA. NIOSH Recommended Exposure Limits

TWA (Inhalation): 5 mg/m³; USA (NIOSH)

USA. NIOSH Recommended Exposure Limits

TWA (Inhalation): 5 mg/m³; USA (OSHA)

USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants

PEL (Inhalation): 5 mg/m³; USA (Cal/OSHA)

California permissible exposure limits for chemical contaminants (Title 8, Article 107)

2. Aluminum oxide (CAS: 1344-28-1)

PEL (Inhalation): see PNOR (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): See Appendix D (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 15 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 mg/m³ (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³ (OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m³ (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 10 mg/m³; Australia (AU/SWA)
Notes: (a)

Appropriate engineering controls

None required with normal household use. Industrial Setting: Provide local exhaust or general dilution ventilation to keep exposure to airborne contaminants below the permissible exposure limits where mists or vapors may be generated.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Distribution, Workplace and Household Settings: No special protective equipment required. Product Manufacturing Plant (needed at Product-Producing Plant ONLY): Use appropriate eye protection.

Skin protection

Distribution, Workplace and Household Settings: No special protective equipment required. Product Manufacturing Plant (needed at Product-Producing Plant ONLY): Protective gloves.

Respiratory protection

No special precautions for casual exposure. Ventilation Local Exhaust: None required with normal consumer use. Special: None. Industrial (General): Normal/general dilution ventilation is acceptable. Air contamination monitoring should be carried out where mists or vapors are likely to be generated, to assure that the employees are not exposed to airborne contaminants above the permissible exposure limits.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	Green, viscous liquid
Color	Green
Odor	Mild petroleum
Odor threshold	Mild
Melting point/freezing point	No data available
Boiling point or initial boiling point and boiling range	374 °F
Flammability	Not flammable
Lower and upper explosion limit/flammability limit	No data available
Flash point	No data available

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Auto-ignition temperature	No data available
Decomposition temperature	No data available
pH	Not applicable
Kinematic viscosity	No data available
Solubility	Slight
Partition coefficient n-octanol/water (log value)	4.7
Vapor pressure	No data available
Evaporation rate	No data available
Density and/or relative density	No data available
Relative vapor density	No data available

Particle characteristics

No data available

Supplemental information regarding physical hazard classes

No data available

Further safety characteristics (supplemental)

No data available

SECTION 10: Stability and reactivity

Reactivity

None under normal use conditions.

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal use conditions.

Conditions to avoid

None under normal use conditions.

Incompatible materials

Silica, crystalline : Hydrogen fluoride

Distillates, petroleum, hydrotreated light: Strong oxidizing agents, Strong bases, Strong acids, Amines

Aluminum oxide: Strong acids, Strong bases, Chlorine trifluoride, Ethylene oxide, Halogenated hydrocarbon, Oxygen difluoride, Sodium nitrate, Vinyl compounds, Oxygen, Nitrates, Halogens

Hazardous decomposition products

Mineral oil: Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Distillates, petroleum, hydrotreated light

LD50 Oral - Rat - > 5000 mg/kg

LD50 Skin - Rabbit - > 5,000 mg/kg

LC0 Inhalation - Rat - 4951 mg/m³ - 4 h

Result: Based on results obtained from tests on analogous products

White mineral oil

LD50 Oral - Rat - >5,000 mg/kg

Remarks: (OECD Test Guideline 401)

LD50 Inhalation - Rat - 5 mg/l - 4 h

Remarks: (OECD Test Guideline 403)

LD50 Skin - Rabbit - >2,000 mg/kg

Remarks: (OECD Test Guideline 402)

Skin corrosion/irritation

Distillates, petroleum, hydrotreated light

Rabbit

Result: Irritating

Serious eye damage/irritation

No data available

Respiratory or skin sensitization

Distillates, petroleum, hydrotreated light

Result: The product is not expected to be sensitizing

Germ cell mutagenicity

Distillates, petroleum, hydrotreated light

Result: Not mutagenic.

Carcinogenicity

Distillates, petroleum, hydrotreated light

Result: Carcinogenicity study in rates (OECD 451): Negative

Silica, crystalline

Result: IARC: 1 - Group 1: Carcinogenic to humans (Quartz)

NTP: Known to be human carcinogen (Quartz)

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

White mineral oil

Result: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

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OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

Distillates, petroleum, hydrotreated light

Result: No data available

Specific target organ toxicity (STOT) - single exposure

Distillates, petroleum, hydrotreated light

Result: May cause drowsiness or dizziness. - Central nervous system

Specific target organ toxicity (STOT) - repeated exposure

Distillates, petroleum, hydrotreated light

Result: No data available

Aspiration hazard

Distillates, petroleum, hydrotreated light

Result: May be fatal if swallowed and enters airways.

Additional information

FATTY ACIDS, TALL OIL, POLYMERS WITH GLYCEROL, MALEIC ANHYDRIDE,; *TOXICITY:
typ. dose mode specie amount units other
Not available

*AQTX/TLM96: Not available

*SAX TOXICITY EVALUATION:
THR: Not available

*CARCINOGENICITY: Not available

*MUTATION DATA: Not available

*TERATOGENICITY: Not available

*STANDARDS, REGULATIONS & RECOMMENDATIONS:

OSHA: None

ACGIH: None

NIOSH Criteria Document: None

NFPA Hazard Rating: Health (H): None

Flammability (F): 2

Reactivity (R): None

F2: Materials which must be moderately heated before ignition will occur
(see NFPA for details).

*OTHER TOXICITY DATA: Not available

Silica, crystalline : The chronic health risks are associated with respirable particles of 3-4 um over protracted periods of time. Currently, there is a limited understanding of the mechanisms of quartz toxicity, including its mechanisms for lung carcinogenicity.

Additional studies are needed to determine whether the cell transforming activity of quartz is related to its carcinogenic potential.

Liver - Irregularities - Based on Human Evidence

Lungs - Prolonged inhalation of crystalline silica may result in silicosis, a disabling pulmonary fibrosis characterized by fibrotic changes and miliary nodules in the lungs, a dry cough, shortness of breath, emphysema, decreased chest expansion, and increased susceptibility to tuberculosis. In advanced stages, loss of appetite, pleuritic pain, and total incapacity to work. Advanced silicosis may result in death due to cardiac failure or destruction of lung tissue. Crystalline silica is classified as group 1 "known to be carcinogenic to humans" by IARC and "sufficient evidence" of carcinogenicity by the NTP. - Based on Human Evidence

TRIETHANOLAMINE STEARATE: *TOXICITY:

Not available

*AQTX/TLM96: Not available

*SAX TOXICITY EVALUATION: Not available

*CARCINOGENICITY: Not available

*MUTAGENICITY: Not available

*TERATOGENICITY: Not available

*STANDARDS, REGULATIONS & RECOMMENDATIONS:

OSHA: None

ACGIH: None

NIOSH Criteria Document: None

NFPA Hazard Rating: Health (H): None

Flammability (F): None

Reactivity (R): None

*OTHER TOXICITY DATA: Not available

SECTION 12: Ecological information

Toxicity

Distillates, petroleum, hydrotreated light

NOEC - Daphnia magna (water flea) - >1000 mg/l - 21 d

LC0 - Oncorhynchus mykiss (rainbow trout) - >1000 mg/l - 96 h

EC0 - Daphnia magna (water flea) - >1000 mg/l - 48 h

IC0 - Pseudokirchneriella subcapitata (green algae) - >1000 mg/l - 72 h

NOEC - Oncorhynchus mykiss (rainbow trout) - >1000 mg/l - 28 d

EC50 - Tetrahymena pyriformis - >1000 mg/l - 48 h

White mineral oil

LC50 - Oncorhynchus mykiss (rainbow trout) - >100 mg/l - 96 h

Remarks: (OECD Test Guideline 203)

LC50 - Daphnia magna (water flea) - >100 mg/l - 48 h

Remarks: (OECD Test Guideline 202)

Persistence and degradability

Distillates, petroleum, hydrotreated light

Result: Readily biodegradable. Does not hydrolyze

Bioaccumulative potential

Distillates, petroleum, hydrotreated light

Result: Bioconcentration factor (BCF): no data available. Partition co-efficient (Log Pow): 3-6

SECTION 13: Disposal considerations

Disposal methods

Product disposal

If discarded, the material in its original unused form is not a RCRA hazardous waste. Disposal should be in accordance with State and Local regulations for the disposal of non-hazardous waste. Be sure to check if compound (after used) has come in contact with a hazardous substance before disposal.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

Canadian Domestic Substances List (DSL)

Chemical name: Paraffin oils

CAS: 8012-95-1

Chemical name: White mineral oil (petroleum)

CAS: 8042-47-5

Chemical name: Alcohols, C10-12, ethoxylated propoxylated

CAS: 68154-97-2

Chemical name: Water

CAS: 7732-18-5

Chemical name: Octadecanoic acid, compd. with 2,2',2''-nitrilotris[ethanol] (1:1)

CAS: 4568-28-9

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Chemical name: Aluminum oxide (Al₂O₃)
CAS: 1344-28-1

Canadian Non-Domestic Substances List (NDSL)

Chemical name: Fatty acids, tall-oil, polymers with glycerol, maleic anhydride, phthalic anhydride and soybean oil
CAS: 68015-41-8

Massachusetts Right To Know Components

Distillates, petroleum, hydrotreated light
CAS-No. 64742-47-8

No components are subject to the Massachusetts Right to Know Act.

Chemical name: Aluminum oxide
CAS number: 1344-28-1

New Jersey Right To Know Components

Distillates, petroleum, hydrotreated light
CAS-No. 64742-47-8

White mineral oil
CAS-No. 8042-47-5

Water
CAS-No. 7732-18-5

Chemical name: Aluminum oxide
CAS number: 1344-28-1

Pennsylvania Right To Know Components

Distillates, petroleum, hydrotreated light
CAS-No. 64742-47-8

White mineral oil
CAS-No. 8042-47-5

Water
CAS-No. 7732-18-5

Chemical name: Aluminum oxide
CAS number: 1344-28-1

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

Fire Hazard, Acute Health Hazard

No SARA Hazards

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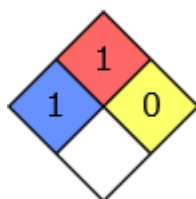
SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

HMIS Rating

New Light	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X

NFPA Rating



SECTION 16: Other information

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Further information/disclaimer

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Preparation information

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