

Safety Data Sheet (SDS)

Prepared to comply with GHS (Globally Harmonized System), WHMIS and OSHA-Hazard Communication Standard 29 CFR.1910.1200 System of Classifying and Labeling of Chemicals

Section 1. Identification

Product Name: Rolite Metal Polish

Manufacturer's Code/Trade Name/Synonyms: Rolite Metal Polish

CAS Number/EC Number: See Section 3. **Product Code:** N/A

Product Use: Product is a metal polish for all types of bare metals, chrome, fiberglass, and Plexiglas.

Manufacturer/Supplier: Rolite Company

Address: P.O. Box 619
Hartland, Wisconsin, USA
53029

General Information Telephone: 262.222.2626

Emergency Telephone: Emergency Chem-Tel 1.800.255.3924

Section 2. Hazard(s) Identification

GHS Classification: Aspiration Hazard- Category 1

Skin Irritation- Category 3

Eye Irritation- Category 2B

Acute Aquatic Hazard – Category 2

Signal Word: Danger

Symbols:



Hazard Statements: H304- May be fatal if swallowed and enters airways

H316- Causes mild skin irritation

H320- Causes eye irritation

H401- Toxic to aquatic life

Precautionary Statements: P262- Do not get in the eyes, on skin or on clothing

P264- Wash thoroughly after handling

P273- Avoid release to the environment

P280- Wear protective gloves/protective clothing/eye protection/face protection.

Response: P301+P310 – If Swallowed: immediately call Poison Center or a doctor/physician

P331 – Do NOT induce vomiting

P332+P313- If skin irritation occurs: get medical advice/attention

P337+P313- If eye irritation persists: get medical advice/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.

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Section 2. Hazard(s) Identification (Continued)

Storage: P405 – Store locked up

Disposal: P501 – Dispose of contents/container in accordance with local/regional/national/international regulation.

Statement of toxicity: Product may create aspiration hazard if swallowed or enters airways. Product contains ingredients that may cause physical, health, or environmental hazards on their own; but are not likely to have the same effect as components in this mixture or in the physical state created by this mixture.

Section 3. Composition/Information on Ingredients

| Chemical Name/Mixture | CAS Number | EC Number | Concentration (%) ^{1,2} |
|-----------------------|------------|-----------|----------------------------------|
| C13-C16 Isoalkanes | 68551-20-2 | 271-370-0 | 21.5 |
| Aluminum oxide | 1344-28-1 | 215-691-6 | 27 |
| Oleic acid | 112-80-1 | 204-007-1 | 9.8 |
| Ammonium Hydroxide | 1336-21-6 | 215-647-6 | 2.2 |

- Information regarding the composition and the percent ranges of the mixture's ingredients are not presented as it is Confidential Business Information (CBI). Where a medical emergency exists (as determined by a medical professional), timely disclosure of CBI is assured. The information omitted pertains to only the names of the substance and the concentration in the mixture (product) and can only be requested by a doctor/physician or local/state/provincial for federal authority.
- Non-hazardous ingredients are not presented as to protect proprietary formula of the product.

Section 4. First Aid Measures

Primary Routes of Exposure: Inhalation (X) Ingestion (X) Dermal (X) Eye Contact (X)

Inhalation: Inhalation may irritate the nose, throat, and respiratory tract. Coughing, sneezing, and shortness of breath may occur following exposure.

Inhalation First Aid Measures: Remove person to fresh air. If person is not breathing, provide artificial respiration, CPR or oxygen. Person should seek medical attention immediately from a physician should irritation persist or develop at a later time.

Ingestion: Ingestion may cause irritation to mouth, throat, and gastrointestinal tract.

Ingestion First Aid Measures: Seek emergency medical attention immediately. Never attempt to make an unconscious person, or person of limited awareness drink or vomit. DO NOT INDUCE VOMITING. If vomiting is occurring, lean victim forward, trying to keep them sitting at rest and comfortable. Monitor breathing, if person is conscious and fully aware allow victim to rinse their mouth with water until taste and material has been removed.

Eye Contact: Direct contact with liquid may cause irritation or burn the eyes.

Eye Contact First Aid Measures: Immediately flush eyes with clean water or eye wash for fifteen (15) minutes while holding open the eyelids. Lift the eyelids to ensure rinsing. Beyond flushing, seek medical attention if necessary.

Dermal Contact: Direct contact with skin may cause irritation.

Dermal Contact First Aid Measures: Wash with copious amounts of soap and water. Seek medical aid if necessary.

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Section 5. Fire-Fighting Measures

Product contains ingredients that are flammable: Product is not considered flammable but contains individual ingredients that are flammable on their own.

Suitable Extinguishing Media: Dry chemical/dry foam, water spray, and CO₂. Note: If not properly trained to use extinguishers do NOT attempt to extinguish fires. Seek proper help from local fire department and give any information as to the start of fire or chemicals involved.

Specific Hazards from the Chemical: The use of adequate respiratory ventilation devices are recommended for individuals fighting the fire. Do not allow contaminated water from extinguishing the fire to flow into drains or groundwater.

Special Protective Equipment and Precaution for Fire-Fighters: Suitable protective body suits, eye protection and respiratory ventilation devices should be worn.

Section 6. Accidental Release Measures

Personal Precautions and Protective Equipment and Emergency: In case of accidental release, use caution as the floor may become slippery. Carefully contain and stop the source of spill. Product should not be excreted into drains, discharged into surface water or groundwater. Should a release of this product enter a US waterway and cause a film or sheen, the National Response Center (NRC) must be notified within 24 hours at (800) 424-8802.

Methods and Materials for Clean Up: Use absorbing materials to soak up spill if small and contained. Scoop up spilled product in a conventional manner and clean area with absorbent towels. Spilled product should be containerized in suitable container for disposal according to all federal and local regulations.

Section 7. Handling and Storage

Precautions for Safe Handling: Local ventilation is recommended. Avoid contact with skin and eyes. Persons handling the product should wear recommended personal protective equipment (PPE) such as gloves and eye protection. Do not ingest.

Conditions for Safe Storage: Keep container tightly closed in a dry and well-ventilated place. Observe label precautions, only store in original container. Storage temperature should not be below 32°F or above 150°F. Product is considered stable but may react with strong oxidizers.

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Section 8. Exposure Controls/Personal Protection

| Chemical Name | CAS Number | OSHA PEL | NIOSH IDLH | NIOSH REL | ACGIH-TLV |
|-----------------------------------|------------|-------------------------------|------------|-----------|------------------|
| C13-C16 Isoalkanes | 68551-20-2 | -- ⁽²⁾ | -- | -- | -- |
| Aluminum oxide | 1344-28-1 | 15 TD / 5.0 RF ⁽³⁾ | -- | -- | 1 ⁽⁴⁾ |
| Oleic acid | 112-80-1 | -- | -- | -- | -- |
| Ammonium hydroxide ⁽⁵⁾ | 1336-21-6 | TWA-35 | 210 | TWA-18 | TWA-25 ppm |

- Units –are mg/m³ unless footnoted.
- “--“ No exposure limit.
- Total dust/respirable fraction exposure limit is for dust exposure and is presented in mg/m³. Exposure to dust is not likely as product is a paste.
- Aluminum oxide had a TLV withdrawn. The combined aluminum metal and insoluble compounds TLV is presented above.
- No exposure limits exist for Ammonium hydroxide. Exposure limits presented are for Ammonia (CAS 7664-41-7). Exposure to ammonia is not likely due to the composition and physical form of the product as a paste.
- Acronyms are defined in Section 16.

Exposure Controls: Use product in properly ventilated areas only. Ensure eyewash stations are close by and work properly.

Personal Protection:

Eye: Recommend that goggles/face shield be worn for protection.

Body: Avoid contact with skin by properly covering skin with clothing or protective suit.

Respiratory: SCBA/Approved respirator required for inadequate ventilation.

Hands: Gloves should be worn.

Feet: Suitable foot protection to avoid potential slips if product is spilled on the floor.

Personal hygiene: Wash thoroughly after use.

Section 9. Physical and Chemical Properties

Appearance: Pink-paste **Odor:** slight to none (ammonia) **Threshold:** N/D **pH:** 8.5

Melting Point: N/A **Freezing Point:** 32°F (0°C) **Initial Boiling Point:** N/A

Flash Point: >220°F (104.4°C) **Evaporation Rate:** (Butyl Acetate=1)> 1 **Vapor Pressure:** N/D

Flammability (Solid/Gas): N/D: Product contains ingredients that on their own may be flammable

Upper/Lower Flammability or Explosive Limits: N/A **Vapor Density:** N/D **Relative Density:** N/D

Solubility in water: Negligible **Partition Coefficient: n-octanol/water:** N/D **Viscosity:** Variable

Auto-ignition Temperature: N/A **Decomposition Temperature:** N/D

N/A = Not Applicable N/D= Not Determined

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Section 10. Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions. See Storage, Section 7. Hazardous polymerization is not likely to occur.

Conditions to Avoid: Avoid temperatures above 65°C/150°F or below 0°C/32°F. Some ingredients decompose at elevated temperatures.

Incompatible Materials: Avoid contact with strong oxidizing materials. Avoid contact with strong acids.

Hazardous Decomposition Products: Hazardous decomposition products depend upon temperature, air supply, and the presence of other materials. Carbon monoxide and Carbon dioxide are products of decomposition. **Hazardous polymerization** will not occur.

Section 11. Toxicology Information

Acute Exposure:

Ingestion: Ingestion may cause irritation to mouth, throat, and gastrointestinal tract. If oral exposure occurs seek medical attention, immediately. May be harmful if swallowed. May be fatal if swallowed and enters airways. May cause dizziness and drowsiness.

Eye Contact: Direct contact may cause irritation, redness or burns to the eyes.

Dermal Contact: Direct contact with skin may cause irritation.

Inhalation: Inhalation may irritate the nose, throat, and respiratory tract. Coughing, sneezing, and shortness of breath may occur following over-exposure. Inhalation may cause rapid heart rate, headaches, confusion, anemia, dizziness and drowsiness.

Chronic Exposure:

No data exists for chronic exposure to the product itself; however, chronic exposure to some components of the product can cause other injuries to skin, gastrointestinal tract and eyes.

Numerical measures of toxicity: No information exists for the product itself. Available data for individual components is listed below:

C13-C16 Isoalkanes (68551-20-2): Oral, Rat: LD₅₀ >10,000 mg/kg

Inhalation, Rat: LD₅₀ > 5.2 mg/L (4 hours)

Skin, Rabbit: LD₅₀ >2,000 mg/kg

Ammonium Hydroxide (1336-21-6): Oral, Rat LD₅₀: 350 mg/kg

Oleic Acid (112-80-1): Skin, Human: 3 Days, Mild Irritation

Carcinogenicity Lists: This product does not contain any substances listed as a known or suspected carcinogen.

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Section 12. Ecological Information (Non-mandatory)

Ecotoxicity:

No information is available for the product. Ecotoxicity to aquatic life is based on information for individual components of the product.

Ammonium hydroxide ecotoxicity: LC₅₀ rainbow trout: 0.008 mg/L (24 Hour)

LC₅₀ fathead minnow: 8.2 mg/L (96 Hour)

LC₅₀ bluegill: 0.024 mg/L (48 Hour)

EC₅₀ water flea: 0.66 mg/L (48 Hour)

Persistence and Degradability: No information available on this product.

Bioaccumulative Potential: No information available on this product.

Mobility in Soil: No information available on this product.

Section 13. Disposal Considerations (Non-mandatory)

Waste must be disposed of in accordance with federal, state, and local environmental control regulations. Disposal of product may require waste characterization prior to disposal.

Section 14. Transport Information (Non-mandatory)

DEPARTMENT OF TRANSPORTATION (D.O.T.): Polishing Compound; Class 55, no DOT Number.

Canadian TDG Information: Product is not regulated. Product may contain small quantities of flammable ingredients.

IMDG: Product is not regulated. Product may contain small quantities of flammable ingredients.

IATA-DGR: Product is not regulated. Product may contain small quantities of flammable ingredients.

MARPOL 73/78 ANNEX II: Not Applicable

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Section 15. Regulatory Information (Non-mandatory)

SARA (Superfund Amendments and Reauthorization Act)

Product is not listed. Oleic acid, Aluminum oxide and Ammonium hydroxide components of the product are listed.

TSCA (Toxic Substance Control Act)

Product is not listed. Oleic Acid a component of the product is listed.

U.S. California Proposition 65 Carcinogens List

Product is not listed.

Canada Domestic Substances List (DSL)

Product is not listed. Oleic Acid a component of the product is listed.

States Right to Know

Massachusetts: Product contains Ammonium hydroxide (1336-21-6), and Aluminum oxide (1344-28-1)

Pennsylvania: Product contains Oleic Acid (112-80-1), Ammonium hydroxide (1336-21-6), and Aluminum oxide (1344-28-1)

New Jersey: Product contains Oleic Acid (112-80-1), Ammonium hydroxide (1336-21-6), and Aluminum oxide (1344-28-1)

Carcinogenic categories

National Toxicology Program (NTP)

Product is not listed. No components of the product are listed.

International Agency for Research on Cancer (IARC)

Product is not listed. No components of the product are listed.

EPA (Environmental Protection Agency)

Product is not listed. No components of the product are listed.

TLV (Threshold Limit Value established by ACGIH)

Product is not listed. No components of the product are listed.

NIOSH- (National Institute for Occupational Safety and Health)

Product is not listed. No components of the product are listed.

OSHA- (Occupational Safety & Health Administration)

Product is not listed. No components of the product are listed.

Section 16. Other Information

Acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service

CFR: US Code of Federal Regulations

CIPAC: Collaborative International Pesticides Analytical Council

DSL: (Canada) Domestic Substance List

DOT: Department of Transportation

EC: European Commission

EINECS: European Inventory of Existing Commercial Chemical Substances

EU: European Union

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Section 16. Other Information (Continued)

Acronyms (continued):

GHS: Globally Harmonized System
HMIS: Hazardous Materials Identification System
IARC: International Agency for Research on Cancer
IATA: International Air Transport Association
ICAO: International Civil Aviation Organization
IDLH: Immediately Dangerous to Life and Health
IMDG: International Maritime Dangerous Goods
IMO: International Maritime Organization
MARPOL: Marine Pollution-International convention for the prevention of pollutions from ships.
NIOSH: National Institute of Occupational Safety and Health
NTP: National Toxicology Program
OSHA: Occupational Safety and Health Administration
PPE: Personal Protective Equipment
PPM: Parts Per Million
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
SARA: Superfund Amendments and Reauthorization Act
STEL: Short-term Exposure Limit
TDG: Transportation of Dangerous Goods
TLV: Threshold Limit Value
TSCA: Toxic Substance Control Act
TWA: Time Weighted Averages
USEPA: The United States Environmental Protection Agency
WHMIS: Workplace Hazardous Materials Information System

Authoring Limitations:

The information presented in this SDS is based on the information available at the time of authoring. The information presented is comparable to previous versions of Material Safety Data Sheets (MSDS) and modified to conform to the new GHS SDS format. This information is considered to be reliable and accurate at the time of authoring but is not guaranteed to be so after publication. Since conditions of use are beyond the control of Rolite Company, no warranties are made, expressed or implied, except those that may be contained in written contracts of sale or acknowledgment.

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November 2014. Any alterations to this document following the dissemination of the finalized product to Rolite Company (the Client) are NOT considered the work of the Client or its affiliates, unless otherwise noted.

End of Safety Data Sheet