

LYMAN PRODUCTS

SAFETY DATA SHEET

Safety Data Sheet (in compliance with Regulation (EC) 1907/2006, Regulation (EC) 1272/2008 and Regulation (EC) 2015/830),

Date Issued: 9/11/15
Date Revised: 5/16/19
Revision Number: Rev 1

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

1.1 Product Identifier

Trade Name: Jewelry Cleaning Solution
Product Number: 7631709

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Product Use: Jewelry Cleaning Solution

Restrictions on Use: None known

1.3 Details of the Supplier of the Safety Data Sheet

Manufacturer: Lyman Products
475 Smith Street
Middletown, CT 06457 USA
Information Phone Number: (860) 632-2020
E-mail:

1.4 Emergency Telephone Number

Emergency Spill Information: For Hazardous Materials [or Dangerous Goods] Incident
Spill, Leak, Fire, Exposure, or Accident
Call ChemTel Inc. Day or Night
Within the USA and Canada: 1-800-255-3924 or
Outside the USA at +1-813-248-0585 (collect calls accepted)
Shipments within: Australia – 1-300-954-538, Brazil 0-800-591-6042, China 400-120-0751, India 000-800-099-0731
Reference Contract Number: MIS3953100

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

US Hazard Classification (29CFR 1910.1200-2012): This product is not classified as hazardous in accordance with the OSHA Hazard Communication Standard.

GHS/CLP (1272/2008) Classification:

This product does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008

2.2 Label Elements

None Required

2.3 Other Hazards: None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture

| Chemical Name | CAS# | EINECS# | GHS/CLP Classification | % w/w |
|-----------------|-----------|------------|------------------------|-------|
| Sodium Citrate | 6132-04-3 | Not listed | Not Hazardous | <8 |
| Triethanolamine | 102-71-6 | 203-049-8 | Not Hazardous | <6 |

The exact percentage and composition is a trade secret.

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

Eye: Flush eyes thoroughly with water. Get medical attention if irritation occurs and persists.

Skin: No first aid should be needed. If irritation occurs, wash contact area with soap and water. Get medical attention if irritation or symptoms of exposure develop and persist.

Inhalation: No first aid should be needed. If irritation from mist or vapor occurs and persists, get medical attention.

Ingestion: No harmful effects are expected. If symptoms occur, get medical attention.

4.2 Most Important symptoms and effects, both acute and delayed: May cause mild eye, skin and respiratory irritation.

4.3 Indication of any immediate medical attention and special treatment needed: Immediate first aid should not be needed.

SECTION 5: FIRE AND EXPLOSION DATA

5.1 Extinguishing Media: Dry chemical, alcohol foam or carbon dioxide are recommended.

5.2 Special Hazards Arising from the Substance or Mixture

Unusual Fire and Explosion Hazards: None known.

Combustion Products: Thermal decomposition or combustion may generate toxic fumes of nitrogen oxides and hydrogen cyanides.

5.3 Advice for Fire-Fighters:

Special Fire Fighting Procedures: Wear an approved, positive pressure, self-contained breathing apparatus and full protective clothing for all fires involving chemicals.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures:

Seek to ensure ventilation that minimizes exposure and maintains exposure below occupational exposure limits. Keep unprotected persons away. Although the substance has no or very low acute toxicity hazard, it is advised to avoid contact with skin, eyes, and clothing. Wear suitable protective equipment when needed.

6.2 Environmental Precautions:

Avoid release to the environment. Report spills and releases as required to appropriate authorities.

6.3 Methods and Material for Containment and Cleaning Up:

Collect spilled material in suitable containers for recovery or disposal. In the case of disposal, spilled material or contaminated material should be disposed of as waste as described in Section 13.

6.4 Reference to Other Sections: Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for Safe Handling: Wash thoroughly after handling. Do not wear contaminated clothing or shoes. Use good personal hygiene practice. Wear appropriate personal protective equipment.

7.2 Conditions for Safe Storage, Including any Incompatibilities: Store in a dry area away from incompatible materials.

7.3 Specific end use(s): None specified

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control Parameters: Refer to country-specific legislation for specific requirements where not listed below.

| Chemical Name | Exposure Limits |
|-----------------|---|
| Sodium Citrate | None Established |
| Triethanolamine | 5 mg/m ³ TWA ACGIH TLV 5 mg/m ³ TWA (inhalable aerosol), 20 mg/m ³ STEL (inhalable aerosol) DFG MAK |

8.2 Exposure Controls:

Appropriate Engineering Controls: General exhaust ventilation should be adequate to maintain exposures below the occupational exposure limits.

Respiratory Protection: None required for normal use. If needed, an approved respirator may be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

Skin Protection: Impervious gloves are recommended if needed to avoid prolonged contact.

Eye Protection: Safety goggles recommended where eye contact is possible.

Other Protective Equipment: None should be needed under normal use conditions.

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| SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES |
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9.1 Information on basic Physical and Chemical Properties

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| Appearance: Red liquid | Vapor Density: No data available |
| Odor: Faint odor | Specific Gravity: 1.05 |
| Odor Threshold: No data available | Solubility: Complete |
| pH: 10-10.5 | Octanol/Water Partition Coefficient: No data available |
| Melting Point/Freezing Point: No data available | Autoignition Temperature: No data available |
| Boiling Point: 200 - 215°F (93.3 – 101.6°F) | Decomposition Temperature: No data available |
| Flash Point: No data available | Viscosity: Not applicable |
| Evaporation Rate: >1 | Explosive Properties: Not explosive |
| Flammable Limits: LEL: No data available UEL: No data available | Oxidizing Properties: Not an oxidizer |
| Vapor Pressure: No data available | Flammability (solid, gas): Not applicable |

9.2 Other Information: None available

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| SECTION 10: STABILITY AND REACTIVITY |
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10.1 Reactivity: Not reactive under regular storage and handling conditions.

10.2 Chemical Stability: Stable under regular storage and handling conditions. Keep from freezing. If product freezes, it will require remixing after thawing.

10.3 Possibility of Hazardous Reactions: None known.

10.4 Conditions to Avoid: Avoid extreme temperatures.

10.5 Incompatible Materials: Strong oxidizers.

10.6 Hazardous Decomposition Products: Thermal decomposition or combustion may generate toxic fumes of nitrogen oxides and hydrogen cyanides.

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| SECTION 11: TOXICOLOGICAL INFORMATION |
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11.1 Information on Toxicological Effects:

Potential Health Effects:

Eye Contact: Contact may cause mild eye irritation.

Skin Contact: No adverse effects expected.

Inhalation: Inhalation of mist or vapor may cause slight nose, throat and respiratory irritation.

Ingestion: Not expected to be harmful. Ingestion of large amounts may cause gastrointestinal distress.

Acute Toxicity Values:

Sodium Citrate: No data available.

Triethanolamine: Oral rat LD50: 6400 mg/kg, dermal rat LD50 > 2000 mg/kg.

Skin corrosion/irritation: No data available for mixture. Product is not classified as a skin irritant.

Eye damage/irritation: No data available for mixture. Product is not classified as an eye irritant.

Respiratory Irritation: No data available for mixture. Product is not classified as a respiratory irritant.

Respiratory Sensitization: No data available for mixture. Product is not classified as a skin sensitizer.

Skin Sensitization: No data available for mixture. Product is not classified as a respiratory sensitizer.

Germ Cell Mutagenicity: No data available for mixture. Product is not classified as a germ cell mutagen.

Carcinogenicity: None of the components of this product present at 0.1% or greater are listed as carcinogens by OSHA, IARC, NTP, ACGIH and the EU CLP.

Reproductive Toxicity: No data available for mixture. Product is not classified as a reproductive toxin.

Aspiration Hazard: No data available for mixture. Product is not classified as an aspiration hazard.

Specific Target Organ Toxicity:

Single Exposure: No data available

Repeat Exposure: No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Triethanolamine: Pimephales promelas LC50: 11800 mg/L/96hr.

12.2 Persistence and Degradability: Triethanolamine: Rapidly biodegradable.

12.3 Bioaccumulative Potential: Citric Acid: Not expected to bioaccumulate.

12.4 Mobility in Soil: No data available.

12.5 Results of PBT and vPvB Assessment: Not required.

12.6 Other Adverse Effects: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods:

Dispose in accordance with all local, state and national regulations.

SECTION 14: TRANSPORTATION INFORMATION

| | 14.1 UN Number | 14.2 UN Proper Shipping Name | 14.3 Hazard Class(s) | 14.4 Packing Group | 14.5 Environmental Hazards |
|--------------|----------------|------------------------------|----------------------|--------------------|----------------------------|
| US DOT | None | Not regulated | N/A | N/A | None |
| Canadian TDG | None | Not regulated | N/A | N/A | None |
| EU ADR/RID | None | Not regulated | N/A | N/A | None |

| | | | | | |
|------------------|------|---------------|-----|-----|------|
| IMDG | None | Not regulated | N/A | N/A | None |
| IATA/ICAO | None | Not regulated | N/A | N/A | None |

14.6 Special Precautions for User: Not applicable

14.7 Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

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| SECTION 15: REGULATORY INFORMATION |
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15.1 Safety, Health and Environment Regulations/Legislation Specific for the Substance or Mixture:

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA TITLE III:

Hazard Category for Section 311/312: Not Hazardous

Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on TSCA.

STATE REGULATIONS:

California Proposition 65: This product contains substances known to the State of California to cause cancer, birth defects or other reproductive harm.

INTERNATIONAL REGULATIONS:

Canadian Environmental Protection Act: All of the components are listed on the Canadian Domestic Substances List.

European Union: All of the components are listed on the European Inventory of New and Existing Chemical Substances (EINECS) inventory.

Australia: All of the ingredients of this product are listed on the Australian Inventory of Chemical Substances (AICS).

China: All of the ingredients of this product are listed on the Inventory of Existing Chemical Substance in China (IECSC).

Korea: All of the components of this product are listed on the Korean Existing Chemical List (KECL).

New Zealand: All of the ingredients of this product are listed on the New Zealand Inventory of Chemicals (NZIoC).

Philippines: All of the components of this product are listed on the Philippine Inventory of Chemicals and Chemical Substances (PICCS).

German WGK: 1

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| SECTION 16: OTHER INFORMATION |
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HMIS Ratings: Health - 0

Flammability - 0

Physical Hazard - 0

NFPA Ratings: Health - 0

Flammability - 0

Stability - 0

Date of Current Revision: 9/11/15

Revision Summary: New document.

Date of Previous: Revision: None

GHS Classification for Reference (See Sections 2 and 3):

None

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This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Lyman Products shall not be held liable for any damage resulting from handling or from contact with the above product.