

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Compound: SILVER SAVER®
Effective Date: December 16, 2004
Revision Date: June 1, 2015
Revision: 003

EMERGENCY ASSISTANCE
CHEMTREC 800-424- 9300

Product Application: Product is diluted to 1 -3% as a mild alkaline cleaning and burnishing, polishing and inhibiting compound for tableware and utensils in vibratory finishing equipment.

SECTION 2: HAZARDOUS IDENTIFICATION

POTENTIAL HEALTH EFFECTS

Routes of exposure: Eyes, Skin, Inhalation, Ingestion

Eye Contact: Can cause redness, pain, and eye damage from prolonged exposure

Skin Contact: May cause irritation due to de-fatting the skin and acid irritation

Inhalation: Product is not volatile as packaged, heating or atomizing the product will generate airborne droplets that will irritate mucus membranes and the respiratory tract.

Ingestion: Product may be harmful if swallowed. Gastrointestinal irritation with nausea, vomiting and diarrhea.

Chronic effects: No known chronic effects, product is not considered a sensitizer

SECTION 3: COMPOSITION INFORMATION

| <u>Component</u> | <u>CAS number</u> | <u>% Composition</u> | <u>OSHA Hazard</u> |
|------------------|-------------------|----------------------|--------------------|
| Diethanolamine | 111-42-2 | Less than 1% | No |

NOTE: Product is an aqueous mixture of cleaning agents, surfactants and alkaline buffers.

SECTION 4: FIRST AID MEASURES

EYE CONTACT: In case of eye contact, immediately rinse eye with plenty of water. Remove contact lenses and continue rinsing for at least 15 min. Consult a physician.

SKIN CONTACT: May be irritating to the skin. Wash skin thoroughly with water; remove contaminated clothing and shoes, wash thoroughly before re-use. If irritation resists contact medical personnel.

INHALATION: Not likely, however atomized product and its solutions may cause respiratory tract irritation. If exposed, remove to fresh air and consult a physician.

INGESTION: Do not induce vomiting. If conscious, drink plenty of water and consult a physician. If unconscious, contact emergency personnel and do not try to give liquids of any type.

SECTION 5: FIRE FIGHTING MEASURES

Flammability: Not Flammable

Flash point: Not applicable Method used: TOC

Explosive Limits in air: Not applicable

Special fire fighting procedures: Not applicable, material not flammable. Use appropriate extinguishing media for the cause of the fire.

Combustion products: Nitrogen oxides, Carbon Monoxide, Carbon Dioxide

SECTION 6: SPILL PREVENTION AND REMEDIATION

Steps to be taken in case material is released or spilled: Spills should be absorbed on sand or clay and disposed of as solid waste. Remainder can be flushed to drain with large amounts of water.

Waste disposal methods: Material contains biodegradable surfactants. Dispose of in accordance with all Federal, State and Local regulations.

SECTION 7: HANDLING AND STORAGE

Storage: Store in cool well ventilated areas away from excessive heat. Keep containers closed. Store in original container away from food or drinks. Empty containers may contain product residues in liquid, vapor or dry form. Exercise caution in disposal or recycling used containers.

Handling: Avoid contact with eyes, skin or clothing. May be harmful if swallowed. Use with adequate ventilation. Avoid breathing vapors or mist. Do not eat drink or smoke in the work area. Wash hands thoroughly after use.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Ventilation: Avoid prolonged breathing of mists or vapors. Use adequate ventilation to prevent symptoms of exposure.

Respiratory Protection: Not required unless ventilation is inadequate to minimize symptoms of exposure. If needed, use NIOSH approved respirators

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Eye Protection: Safety glasses are required under normal use, if the product is atomized or sprayed full face shields are required to protect mucous membranes of the eyes, nose and throat.

Skin Protection: Use appropriate rubber or vinyl gloves with cuff.

Exposure Limits: None established

SECTION: 9 PHYSICAL & CHEMICAL CHARACTERISTICS

| | |
|--|------------------------|
| Boiling point: Approx 200 F | Specific Gravity: 1.05 |
| Freezing/ Separation point: 30F/40F | pH 100%: 9.4-10.4 |
| Solubility in water: Complete | pH 1%: 8.4-9.4 |
| Vapor Pressure: NA | VOC (wt%): 1.2% |
| % Volatile: approx 60% | |
| Appearance and odor: Blue-Green, viscous liquid, mild odor | |

SECTION: 10 PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: Stable under normal conditions
Incompatibility (materials to avoid): Strong alkalis and oxidants
Hazardous Decomposition Products: Oxides of carbon and nitrogen
Hazardous Polymerization: Will not occur
Conditions to avoid: Temps <40F >120F

SECTION: 11 TOXICOLOGICAL INFORMATION

Product is not considered Toxic

Oral Toxicity: Unknown

Skin Toxicity: Unknown

Inhalation Toxicity: Unknown

SECTION: 12 ECOLOGICAL INFORMATION

Aquatic Toxicity: Product will adversely affect aquatic organisms. Do not release to surface waters.

Biodegradability: Product is biodegradable.

SECTION: 13 DISPOSAL INFORMATION

Product is not hazardous. Dispose of in accordance with federal, state and local regulations. Empty containers contain product residues and may be subject to the same disposal regulations as the product itself. Typical methods evaporation followed by incineration

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SECTION: 14 TRANSPORTATION INFORMATION

SHIPPING CLASSIFICATIONS

DOT Not Regulated
IATA Not Regulated

SECTION 15: REGULATORY INFORMATION

TSCA Inventory Status: All components of this product are listed on the EPA/TSCA inventory of chemical substances.

REACH Status: Product is reach compliant.

REGULATORY INFORMATION

| Ingredient: | ACGIH TLVs | OSHA PELs | NIOSH RELs |
|--------------------------------|---------------------------------------|------------|--------------------------------|
| Diethanolamine CAS#111-42-2 | TWA: 0.46ppm 2 mg/M ³ SKIN | No Listing | TWA: 3ppm 15 mg/M ³ |
| | | | |

IARC: Diethanolamine CAS#111-42-2; group 3 material
NTP: Not Listed
SARA: Not Listed

SECTION 16: OTHER INFORMATION

H.M.I.S. RATINGS

Health: 1
Flammability: 0
Reactivity: 0

Disclaimer:

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