



Special Metals Cleaner Concentrate

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Special Metals Cleaner Concentrate
SDS Number: 6316, 10316
Revision Date: 3/7/2016
Product Use: For removal of fingerprints and greasy marks from Stainless Steel, Titanium, and Aluminum.
Supplier Details: Winsol Laboratories Inc
 1417 NW 51st St
 Seattle, WA 98107
Emergency: INFOTRAC 1-800-535-5053 (North America); 1-352-323-3500 (International)
Phone: 206-782-5500
Web: www.winsol.com

2 HAZARDS IDENTIFICATION
Classification of the substance or mixture
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS):

Health, Serious Eye Damage/Eye Irritation, 2 B
 Health, Acute toxicity, 5 Dermal

GHS Label elements, including precautionary statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:

no GHS pictograms indicated for this product

GHS Hazard Statements:

H320 - Causes eye irritation
 H313 - May be harmful in contact with skin

GHS Precautionary Statements:

P102 - Keep out of reach of children.
 P103 - Read label before use.
 P281 - Use personal protective equipment as required.
 P301 - IF SWALLOWED: May cause gastrointestinal irritation.
 P302 - IF ON SKIN: Prolonged or repeated and confined exposure may cause skin irritation. Wash contaminated clothing and footwear before reuse.
 P304 - IF INHALED: Not considered dangerous.
 P305 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists consult medical personnel.

3 COMPOSITION/INFORMATION ON INGREDIENTS
Ingredients:

| Cas# | % | Chemical Name |
|------------|------|--|
| 0 | 1-5% | Ammonium Methyl Sulfate |
| 0 | 1-5% | Fatty Alcohol Ethoxylate |
| 34590-94-8 | 1-5% | Propanol, 1(or 2)-(2-methoxymethylethoxy)- |
| 0 | 1-5% | Sodium Citrate |

"0" equals no Cas# available/trade secret

The exact percentage (or concentration) of ingredients has been withheld as a trade secret.

Composition Comments: Components and trace elements not listed are either non-hazardous or are below reportable limits.



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4 FIRST AID MEASURES

| | |
|----------------------|---|
| Inhalation: | Not considered dangerous. |
| Skin Contact: | Prolonged or repeated and confined exposure may cause skin irritation. Wash contaminated clothing and footwear before reuse. |
| Eye Contact: | Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists consult medical personnel. |
| Ingestion: | Swallowing may cause gastrointestinal irritation. If irritation persists consult medical personnel. |

5 FIRE FIGHTING MEASURES

| | |
|----------------------|---------------|
| Flammability: | Not flammable |
| Flash Point: | N/A |
| LEL: | N/A |
| UEL: | N/A |

EXTINGUISHING MEDIA: Water

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus with a full face piece operated in a pressure demand or other positive pressure mode.

6 ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb liquid on paper, vermiculite, floor absorbent or other absorbent material and transfer to labeled containers.

LARGE SPILL: Stop spill at source, dike area of spill to prevent spreading, pump liquid into salvage tank. Remaining liquid may be taken up on sand, clay, floor absorbent or other absorbent material and shoveled into labeled containers.

WASTE DISPOSAL METHOD: Review Federal, Provincial and Local Government requirements prior to disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Exercise care and caution. Store in cool dry place.

OTHER PRECAUTIONS: Containers of this material may be hazardous when emptied, since emptied containers retain product residues (vapor, liquid and/or solids), all hazard precautions given in the data sheet must be observed.

7 HANDLING AND STORAGE

| | |
|------------------------------|---|
| Handling Precautions: | Keep material out of reach of children. |
| Storage Requirements: | Store in cool/dry area. |

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| | |
|---------------------------------------|--|
| Engineering Controls: | None |
| Personal Protective Equipment: | <p>RESPIRATORY PROTECTION: If TLV of the product or component is exceeded, a NIOSH/MSHA jointly approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators under specified condition.</p> <p>Ventilation: Provide general or mechanical ventilation or local exhaust.</p> <p>PROTECTIVE GLOVES: Use impermeable gloves to prevent skin contact. Use head caps, boots, chemical aprons when necessary.</p> <p>EYE PROTECTION: Use safety eyewear designed to protect eyes against liquid splash and mists. Consult your safety equipment supplier.</p> <p>OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Use protective clothing to prevent skin contact. Use head caps, boots, chemical aprons when necessary.</p> <p>WORK/HYGIENIC PRACTICES: Eyewashes and safety showers in the workplace are recommended. Wash hands after using. Monitor exposure levels.</p> |



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9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|-------------------------------|-------------------|------------------------------|-------------------|
| Appearance: | Clear | Odor: | Mild |
| Physical State: | Liquid | Solubility: | 100% in water |
| Odor Threshold: | No data available | Freezing/Melting Pt.: | No data available |
| Spec Grav./Density: | 1.01 | Flash Point: | No data available |
| Viscosity: | No data available | Vapor Density: | No data available |
| Boiling Point: | No data available | Auto-Ignition Temp: | No data available |
| Flammability: | None | UFL/LFL: | No data available |
| Partition Coefficient: | No data available | | |
| Vapor Pressure: | No data available | | |
| pH: | No data available | | |
| Evap. Rate: | No data available | | |
| Decomp Temp: | No data available | | |

10 STABILITY AND REACTIVITY

| | |
|----------------------------------|--|
| Reactivity: | Product is stable under normal conditions. |
| Chemical Stability: | Product is stable under normal conditions. |
| Conditions to Avoid: | N/A |
| Materials to Avoid: | Strong Oxidizing Agents, Acids. |
| Hazardous Decomposition: | Not known. |
| Hazardous Polymerization: | Will not occur. |

11 TOXICOLOGICAL INFORMATION

Propanol, 1(or 2)-(2-methoxymethylethoxy)- (34590-94-8) :

Information on toxicological effects

Acute toxicity:

Oral LD50 LD50 Oral - rat - 5,152 mg/kg

Inhalation LC50 no data available

Dermal LD50

Other information on acute toxicity

Skin corrosion/irritation: Serious eye damage/eye irritation:

Eyes - rabbit - Mild eye irritation - 24 h

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

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, ACGIH, NTP, OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity - single exposure (Globally Harmonized System): no data available

Specific target organ toxicity - repeated exposure (Globally Harmonized System): no data available

Aspiration hazard: no data available

Potential health effects: Inhalation May be harmful if inhaled. May cause respiratory tract irritation. Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation. Eyes May cause eye irritation.

Signs and Symptoms of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects: no data available

Additional Information:

RTECS: JM1575000



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12 ECOLOGICAL INFORMATION

Propanol, 1(or 2)-(2-methoxymethylethoxy)- (34590-94-8) :

Information on ecological effects

Toxicity:

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - > 10,000 mg/l - 96 h.

Toxicity to daphnia EC50 - Daphnia magna (Water flea) - 1,919 mg/l - 48 h.

and other aquatic invertebrates

Persistence and degradability: Biodegradability

Bioaccumulative potential: no data available

Mobility in soil: no data available

PBT and vPvB assessment: no data available

Other adverse effects: no data available

13 DISPOSAL CONSIDERATIONS

Waste Disposal Method: Review Federal, Provincial and Local Government requirements prior to disposal.

14 TRANSPORT INFORMATION

Non-hazardous.

15 REGULATORY INFORMATION

Component (CAS#) [%] - CODES

Ammonium Methyl Sulfate (0) [1-5%]

Fatty Alcohol Ethoxylate (0) [1-5%]

Propanol, 1(or 2)-(2-methoxymethylethoxy)- (34590-94-8) [1-5%] MASS, OSHAWAC, PA, TSCA, TXAIR

Sodium Citrate (0) [1-5%]

Regulatory CODE Descriptions

MASS = MA Massachusetts Hazardous Substances List

OSHAWAC = OSHA workplace Air Contaminants

PA = PA Right-To-Know List of Hazardous Substances

TSCA = Toxic Substances Control Act

TXAIR = TX Air Contaminants with Health Effects Screening Level



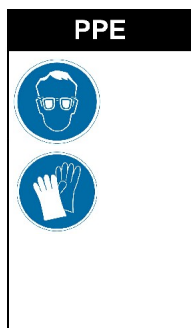
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16 OTHER INFORMATION

HMIS III: Health = 1, Fire = 0, Physical Hazard = 0

HMIS PPE: B - Safety Glasses, Gloves

| HMIS | |
|---------------------|---|
| HEALTH | 1 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | B |



HMIS Index: 1-slight , 2-moderate, 3-serious, 4-severe

The information contained herein has been compiled from sources believed to be reliable and accurate to the best of our knowledge at this date. It is provided without warranty, expressed or implied, as to the results of use of this information or to the product to which it relates. Winsol Laboratories, Inc. assumes no responsibility for injury to any person or property resulting from any use of the material. Each user assumes the risk in their use of this product and should review the data and recommendations in the specific context of their intended use.

ISSUE DATE: 05/19/15
REVISION DATE: 03/07/16
REVISIONS: section 9