

# Material Safety Data Sheet



STAINLESS STEEL CLEANER & POLISH

## Section 1. Chemical product and company identification

Trade name : STAINLESS STEEL CLEANER & POLISH  
Product use : Metal Polish  
Supplier : Ecolab Inc. Institutional Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-352-5326  
Code : 917161  
Date of issue : 24-October-2005

EMERGENCY HEALTH INFORMATION: 1-800-328-0026  
Outside United States and Canada CALL 1-651-222-5352 (in USA)

## Section 2. Composition, Information on Ingredients

| <u>Name</u>                  | <u>CAS number</u> | <u>% by weight</u> |
|------------------------------|-------------------|--------------------|
| white mineral oil, petroleum | 8042-47-5         | 1 - 5              |
| petroleum gases, liquefied   | 68476-85-7        | 1 - 5              |
| stoddard solvent             | 8052-41-3         | 1 - 5              |

## Section 3. Hazards identification

Physical state : Liquid. (Aerosol.)  
Emergency overview : DANGER!

HIGHLY FLAMMABLE LIQUID AND VAPOR.  
VAPOR MAY CAUSE FLASH FIRE.  
CONTENTS UNDER PRESSURE.  
Do not puncture, incinerate, store the container at temperatures above 49°C (120°F) or in direct sunlight.  
HARMFUL IF SWALLOWED.  
MAY BE FATAL IF SWALLOWED.  
Aspiration hazard if swallowed- can enter lungs and cause damage.  
Can cause central nervous system depression.  
MAY CAUSE EYE IRRITATION.  
Repeated or prolonged contact with irritants may cause dermatitis.  
Do not ingest. Avoid contact with eyes. Avoid all possible sources of ignition (spark or flame). Keep away from heat and direct sunlight. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

### Potential acute health effects

Eyes : Moderately irritating to the eyes.  
Skin : Slightly irritating to the skin.  
Inhalation : High vapor concentrations can cause headaches, dizziness, drowsiness, and nausea, and may lead to unconsciousness.  
Ingestion : Harmful if swallowed. Aspiration hazard if swallowed- can enter lungs and cause damage.  
See toxicological Information (section 11)

## Section 4. First aid measures

Eye contact : In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention if irritation persists.  
Skin contact : Wash with soap and water. Get medical attention if irritation develops. Wash clothing before reuse.  
Inhalation : If inhaled, remove to fresh air.  
Ingestion : Rinse mouth; then drink one or two large glasses of water. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Get medical attention immediately.

## Section 5. Fire fighting measures

**Flash point** : -104 °C (Open cup)

**Flammable limits** : Lower: 1.8 %  
Upper: <=13 %

**Fire fighting media and instructions** : In case of fire, use water spray (fog), foam, dry chemicals, or CO<sub>2</sub>.

Dike area of fire to prevent product run-off.

Highly flammable liquid and vapor. Vapor may cause flash fire. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

**Special protective equipment for fire-fighters** : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode.

## Section 6. Accidental release measures

**Personal precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (Section 8). Do not touch or walk through spilled material.

**Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.--

## Section 7. Handling and storage

**Handling** : Avoid contact with eyes. Do not add water directly to product. Slowly stir product into water. Keep container closed. Use only with adequate ventilation. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Wash thoroughly after handling.

**Storage** : Keep out of the reach of children. Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).  
Do not store above 45°C

## Section 8. Exposure Controls, Personal Protection

**Engineering controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.

### Personal protection

**Eyes** : Eye protection recommended.

**Hands** : No protective equipment is needed under normal use conditions.

**Skin** : No protective equipment is needed under normal use conditions.

**Respiratory** : No protective equipment is needed under normal use conditions.

### Name

petroleum gases, liquefied

### Exposure limits

**ACGIH TLV (United States, 1/2004).**

TWA: 1000 ppm 8 hour(s). Form: All forms

**OSHA PEL (United States, 8/1997).**

TWA: 1800 mg/m<sup>3</sup> 8 hour(s). Form: All forms

TWA: 1000 ppm 8 hour(s). Form: All forms

**ACGIH TLV (United States, 1/2004).**

TWA: 525 mg/m<sup>3</sup> 8 hour(s). Form: All forms

TWA: 100 ppm 8 hour(s). Form: All forms

**OSHA PEL (United States, 8/1997).**

TWA: 2900 mg/m<sup>3</sup> 8 hour(s). Form: All forms

TWA: 500 ppm 8 hour(s). Form: All forms

stoddard solvent

## Section 9. Physical and chemical properties

Physical state : Liquid. (Aerosol.)  
 Color : Colorless.  
 Odor : Hydrocarbon.  
 pH : Not applicable.  
 Specific gravity : 0.946 (Water = 1)

## Section 10. Stability and reactivity

Stability : The product is stable.  
 Reactivity : Slightly reactive to reactive with acids, alkalis.

## Section 11. Toxicological information

### Potential acute health effects

Eyes : Moderately irritating to the eyes.  
 Skin : Slightly irritating to the skin.  
 Inhalation : High vapor concentrations can cause headaches, dizziness, drowsiness, and nausea, and may lead to unconsciousness.  
 Ingestion : Harmful if swallowed. Aspiration hazard if swallowed- can enter lungs and cause damage.

### Potential chronic health effects

Chronic effects on humans : Contains material which causes damage to the following organs: kidneys, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

## Section 12. Ecological information

Products of degradation : These products are carbon oxides (CO, CO<sub>2</sub>) and water.

## Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Waste classification : Unused product is D001 (Ignitable)

Consult your local or regional authorities.

## Section 14. Transport information

| Regulatory information | UN number | Proper shipping name | Class | Packing group | Additional information |
|------------------------|-----------|----------------------|-------|---------------|------------------------|
| DOT Classification     | -         | Consumer commodity   | ORM-D | -             | -                      |

### APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

## Section 15. Regulatory information

HCS Classification : Flammable liquid  
 Irritating material  
 Target organ effects

U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: None.  
 SARA 302/304 emergency planning and notification: None.

TSCA 8(b) inventory : All materials are listed or exempt.

California prop. 65 : No products were found.

**Section 16. Other information**

|   |   |                        |   |   |
|---|---|------------------------|---|---|
| Hazardous Material<br>Information System (U.S.A.) | : | Health                 | * | 1 |
|   |   | Fire hazard            |   | 4 |
|   |   | Reactivity             |   | 0 |
|   |   | Personal<br>protection |   | A |

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**Notice to reader**

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.