

Note: EHC Global is a distributor of this product and not the manufacturer.

Version: 1.0  
Revision Date: 2008/04/22

### 1. PRODUCT AND COMPANY IDENTIFICATION

**MSDS No.: 128**

**24 Hour Emergency Telephone: (613) 996-6666**

**WHMIS CLASSIFICATION: Class D, Division 2, Subdivision B.**  
**Material Usage: Handrail Cleaner**

### 2. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**Generic Description:** Handrail Cleaner  
**Physical Form:** Liquid  
**Colour:** Brownish orange  
**Odour:** Orange Citrus

#### POTENTIAL HEALTH EFFECTS

##### Acute Effects

**Skin:** Prolonged and repeated contact may cause irritation.  
**Eye:** Direct contact may cause high to moderate irritation.  
**Oral:** If ingested may cause nausea, vomiting and related problems.

##### Chronic Effects

**Skin:** Irritation or dermatitis may occur upon frequent and prolonged contact.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>CAS Number</u>	<u>Wt %</u>	<u>Component Name</u>	<u>Specific Species and Route</u>
5989.27.5	1.0 - 5.0	D. Limonene	Oral, rat >4400mg/kg
005131.66.8	1.0 - 5.0	Propylene Glycol Ether	Oral, rat >2000mg/kg
68439.48.3	1.0 - 5.0	Alcohols C 9-11 Ethoxylated	Oral, rat >1378mg/kg
9002.92.0	1.0 - 5.0	Lauryl Alcohol Ethoxylated	Oral, rat >4150mg/kg
64.17.5	1.0 - 5.0	Ethanol	Oral, rat >14000mg/kg
6834.92.0	1.0 - 5.0	Sodium Metasilicate	Oral, rat >1280mg/kg
126.92.1	1.0 - 5.0	Sodium 2-Ethylhexyl Sulphate	Oral, rat >3700mg/kg
68424.95.8	< 1.0	Quaternary amine mixture	Oral, rat >455mg/kg

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**4. FIRST AID MEASURES**

Eye:	Immediately flush with water for 15 minutes. If irritation persists get medical attention.
Skin:	Flush with water.
Inhalation:	Move patient to fresh air. If symptoms persist, get prompt medical attention.
Oral:	Rinse mouth with water. Drink 2 glasses of water. Do not induce vomiting. Get prompt medical attention. Never give anything by mouth to an unconscious person.

**5. FIRE AND EXPLOSION HAZARD OF MATERIAL**

Flash Point:	Not available
Auto ignition Temperature:	Not available.
Flammability:	None.
Extinguishing Media:	Not available.
Fire Fighting Measures:	Not available..
Unusual Fire Hazards:	None.

**6. ACCIDENTAL RELEASE MEASURES**

Containment/Clean up: Not applicable

Note: See section 8 for Personal Protective Equipment for Spills.

**7. HANDLING AND STORAGE**

No special procedures are known to be required.

Store in a closed container and away from heat and strong oxidizing materials.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Engineering Controls

Local Ventilation: None should be needed.  
General Ventilation: Recommended.

#### Personal Protective Equipment for Routine Handling

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Suitable Gloves: Avoid skin contact by implementing good industrial hygiene practices and procedures. Select and use gloves and/or protective clothing to further minimize the potential for skin contact. Rubber, PVC or neoprene gloves are recommended.

Inhalation: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

#### Personal Protective Equipment for Spills

Small spills may be removed with a non-reactive absorbent. Prevent large spills from entering waterways.

Precautionary Measures: Avoid eye contact. Avoid skin contact. Use reasonable care.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid  
Color: Brownish orange  
Odor: Orange citrus  
Odor Threshold: Not available  
Specific Gravity: 1  
Density: 1 g/ml  
Freezing/Melting Point: 0 °C  
Boiling Point: 100 °C  
Vapor Pressure @ 25°C: 20mm  
Vapor Density: < 1  
Evaporation Rate: Same as water  
pH: 11.4-12.9  
Volatile Content: 8%

Flash Point: Not applicable  
Auto ignition Temperature: Not applicable  
Flammability Limits in Air: Not applicable.

Note: The above information is not intended for use in preparing product specifications.

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### 10. STABILITY AND REACTIVITY

Chemical Stability:	Stable.
Materials to Avoid:	Oxidizing material can cause a reaction.
Reactivity:	Do not allow this material to mix with strong oxidizers.

Hazardous Decomposition Products  
Oxides of carbon and nitrogen.

### 11. TOXICOLOGICAL INFORMATION

Special Hazard Information on Components  
No known applicable information.

### 12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution  
Complete information is not yet available.

Environmental Effects  
Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants  
Complete information is not yet available.

	Ecotoxicity Classification Criteria
Hazard Parameters (LC50 or EC50)	Not available
Carcinogenicity	None of the ingredients are known to have these properties.
Teratogenicity	None of the ingredients are known to have these properties.
Reproductive Toxicity	None of the ingredients are known to have these properties.
Mutagenicity	None of the ingredients are known to have these properties.

### 13. DISPOSAL CONSIDERATIONS

In accordance with local, provincial and federal regulations.

### 14. TRANSPORT INFORMATION

<u>TDG Flammability Classification</u>	Not flammable
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**15. REGULATORY INFORMATION**

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

WHMIS CLASSIFICATION: Class D, Division 2, Subdivision B.

DSL STATUS: All chemical substances in this material are included on or exempted from the DSL.

**16. OTHER INFORMATION**

Distributed By: EHC Global

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.