



# Material Safety Data Sheet

This item was discontinued prior to GHS implementation.  
A GHS Safety Data Sheet is not available for this item.

Revision Date 15-Mar-2011

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product code** 90387  
**Product name** Stainless Steel Cleaner  
**Recommended Use** Cleaner  
**Supplier** Lawson Products, Inc.  
1666 East Touhy Avenue  
Des Plaines, IL 60018  
(847)-827-9666  
**Emergency telephone number** (888) 426-4851

## 2. HAZARDS IDENTIFICATION

### Emergency Overview

Vapors extremely irritating to eyes and respiratory tract. Vapors may cause flash fire or explosion.

**Color** Colorless **Odor** Lemon **Form** Aerosol

**Aggravated Medical Conditions** None Known

**Principal Routes of Exposure** Eyes. Ingestion. Inhalation. Skin contact.

### Potential health effects

**Eyes** Exposure to vapors may cause the following effects: Irritation. Pain. Tearing. Reddening. Swelling. Stinging sensation. Feeling like that of fine dust in the eye.

**Skin** Prolonged skin contact may cause skin irritation. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

**Inhalation** Repeated or prolonged exposure may cause the following effects. Headaches. Dizziness. Nausea. Decreased blood pressure. Changes in heart rate. Cyanosis.

**Ingestion** Harmful or fatal if swallowed. Corrosive. Can burn mouth, throat, and stomach.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Odorless Mineral Spirits	8052-41-3	10-30
Propane/Isobutane/N-Butane	68476-86-8	10-30
Triethanolamine	102-71-6	1-5

## 4. FIRST AID MEASURES

<b>Eye contact</b>	Flush eyes with plenty of water. Seek medical attention if irritation persists.
<b>Skin contact</b>	Wash area thoroughly with soap and water. Seek medical attention if irritation persists.
<b>Ingestion</b>	Seek medical attention immediately. Do not induce vomiting. Give victim a glass of water or milk. Call a physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

## 5. FIRE FIGHTING MEASURES

<b>Flash point °C</b>	-104
<b>Flash point °F</b>	-156
<b>Method</b>	Pensky-Martens C.C.

<b>Autoignition temperature °C</b>	No data available
<b>Autoignition temperature °F</b>	No data available

### **Flammability Limits (% in Air)**

<b>Upper</b>	10
<b>Lower</b>	0.6

### **Suitable extinguishing media**

Alcohol foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam. Water fog.

### **Special protective equipment for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

### **Fire and Explosion Hazards**

Thermal decomposition can lead to release of irritating gases and vapors. Flash back possible over considerable distance. Keep containers cool. Use shielding to protect against bursting or venting containers. Empty containers contain residue and/or vapors. Do not weld, cut, pressurize, braze, solder, drill, grind, or expose such containers to heat, sparks, flame, static electricity, or other sources of ignition. They may explode and cause injury or death. Keep product and empty container away from heat and sources of ignition.

### **Sensitivity to shock**

No information available.

### **Sensitivity to static discharge**

No information available.

## 6. ACCIDENTAL RELEASE MEASURES

### **Methods for cleaning up**

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Place in suitable container for disposal as hazardous waste.

## 7. HANDLING AND STORAGE

### Handling

Ensure adequate ventilation. Thoroughly wash hands and exposed skin after handling. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

### Storage

Keep away from heat and sources of ignition. Do not freeze.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Propane/Isobutane/N-Butane	-	-	-	N/D
Odorless Mineral Spirits	2900 mg/m <sup>3</sup> 500 ppm	-	100 ppm	-
Triethanolamine	-	-	5 mg/m <sup>3</sup>	-

### Ventilation and Environmental Controls

Use enough ventilation, local exhaust at the work area, general, or both, to keep below the TLV's in the worker's breathing zone and the general area.

### Hygiene measures

Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use. Avoid contact with skin, eyes and clothing. Industrial clothing standards should be followed .

### Personal protective equipment

#### Respiratory protection

Wear a respirator or gas mask with appropriate NIOSH approved cartridge or canister, or supplied air equipment, if airborne concentration limits are exceeded. Protection provided by air purifying respirators is limited. Use a positive pressure supplied air respirator. or other circumstances where an air purifying respirator (P100) may not provide adequate protection .

#### Hand Protection

For prolonged or repeated skin contact, use a chemically resistant glove such as nitrile or neoprene. Wash hands with soap and water after removing gloves. Dry hands thoroughly before re-applying gloves. .

#### Eye protection

ANSI approved safety glasses or splash goggles with face shield are recommended.

#### Skin and body protection

None necessary under normal conditions

#### Other Protective Equipment

Wear appropriate clothing to prevent skin contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Form</b>	Aerosol	<b>Color</b>	Colorless
<b>Odor</b>	Lemon	<b>Odor Threshold</b>	No information available
<b>pH</b>	9	<b>Specific Gravity</b>	0.8554
<b>Vapor pressure</b>	55-65	<b>Vapor density</b>	>Air
<b>Evaporation Rate</b>	>1 (Butyl Acetate = 1)	<b>Solubility</b>	partly soluble
<b>VOC Content</b>	< 30%	<b>Water solubility</b>	No data available
<b>Partition Coefficient (n-octanol/water)</b>	No data available		
		<b>Boiling point/range °C</b>	-41 - 343.9
<b>Boiling point/range °F</b>	-43 - 651	<b>Melting point/range °C</b>	0
<b>Melting point/range °F</b>	32	<b>Flash point °C</b>	-104
<b>Flash point °F</b>	-156		

## 10. STABILITY AND REACTIVITY

### Stability

Stable under normal conditions.

### Conditions to avoid

Avoid sources of ignition. Do not use near welding arcs. Avoid open flames.

### Incompatibility

Strong acids. Alkalis. Oxidizers. Amines.

### Hazardous Decomposition Products

Carbon oxides. Nitrogen oxides (NOx). Chloride. Chlorine. Phosgene .

### Polymerization

Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Component Information

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
<i>Propane/Isobutane/N-Butane</i> 68476-86-8	-	-	-
<i>Odorless Mineral Spirits</i> 8052-41-3	-	-	-
<i>Triethanolamine</i> 102-71-6	4190 mg/kg	16 mL/kg 2000 mg/kg	-

### Synergistic Products

None known

### Potential health effects

**Sensitization**

None known

**Mutagenic effects**

None known

**Reproductive toxicity**

None known

**Chronic toxicity**

None known .

**Teratogenic effects**

None known

**Target Organ Effects**

Long term exposure to vapor may cause lung damage.  
 Long term exposure to vapor may cause kidney damage.  
 Long term exposure to vapor may cause liver damage.  
 Central nervous system.

**Carcinogenic effects**

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Odorless Mineral Spirits	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Triethanolamine	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

## 12. ECOLOGICAL INFORMATION

Triethanolamine

**Microtox Data***Pseudomonas putida* EC50>10000 mg/L (30 min)**Water Flea Data***Daphnia magna* hEC50 24 (1386 mg/L)

## 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products**

Dispose in accordance with federal, state, and local regulations.

## 14. TRANSPORT INFORMATION

**DOT**

Consumer commodity, ORM-D

**TDG**

UN1950 AEROSOLS, flammable, 2.1

## 15. REGULATORY INFORMATION

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Propane/Isobutane/N-Butane	Not Listed	Not Listed	Not Listed
Odorless Mineral Spirits	Not Listed	Listed	Not Listed
Triethanolamine	Not Listed	Listed	Not Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Propane/Isobutane/N-Butane	X	X	-	X
Odorless Mineral Spirits	X	X	-	X
Triethanolamine	X	X	-	X

**CPR**

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

## 16. OTHER INFORMATION

NFPA		HMIS	
Health	-	Health	1
Flammability	-	Flammability	4
Reactivity	-	Physical Hazard	0

**Prepared By**

Michael Katz, Regulatory Affairs Specialist

The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.