



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

Eye contact	Flush eyes with plenty of water. Seek medical attention if irritation persists.
Skin contact	Wash area thoroughly with soap and water. Seek medical attention if irritation persists.
Ingestion	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.
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Flash point °C	-104
Flash point °F	-156
Method	Pensky-Martens C.C.

Autoignition temperature °C	No data available
Autoignition temperature °F	No data available

Flammability Limits (% in Air)

Upper	10
Lower	0.6

Suitable extinguishing media

Alcohol foam. Carbon dioxide (CO₂). 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 ³ 500 ppm	-	100 ppm	-
Triethanolamine	-	-	5 mg/m ³	-

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

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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.