



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name STAINLESS STEEL POLISH
Product use Aerosol Stainless Steel Cleaner and Polish
Product code 0143
Date of issue 09/16/14 **Supersedes** 03/23/12

Emergency Telephone Numbers

For MSDS Information:

Technical Services Group
Telephone (780) 453-8100
(Business Hours 8:00am - 5:00pm)

For Medical or Transportation Emergency

CANUTEC (24 Hours)
(613) 996-6666 - Call Collect

Prepared By

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Section 2. Hazards Identification

Emergency overview

FLAMMABLE.

Do not breathe vapor or mist. Avoid contact with skin and clothing. Contains material that may cause target organ damage, based on animal data.

NOTE: MSDS data pertains to the product as delivered in the original shipping container(s). Risk of adverse effects are lessened by following all prescribed safety precautions, including the use of proper personal protective equipment.

Acute Effects

Routes of Entry

Absorbed through skin. Eye contact. Inhalation.

Eyes

May cause eye irritation. Inflammation of the eye is characterized by redness, watering and itching.

Skin

Harmful in contact with skin. Sensitizer. Irritant. permeator. May cause allergic reactions in certain individuals. Skin inflammation is characterized by itching, scaling, or reddening. Defatting properties, may aggravate an existing dermatitis

Inhalation

Harmful by inhalation. May cause irritation of respiratory tract, coughing, shortness of breath. Can cause central nervous system (CNS) depression. Pre-existing respiratory disorders may be aggravated by over-exposure to this product.

Ingestion

Unlikely in this form.

Chronic effects

Contains material which may cause damage to the following organs: kidneys, liver, central nervous system (CNS), ears.

Prolonged or repeated contact may dry skin and cause irritation. Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

CAS number

% by Weight

PARAFFIN OIL; blend of heavy and light naphthenic petroleum distillate

64742-52-5

40 - 70

PETROLEUM SPIRITS; vm&p naphtha; refined solvent naphtha

64742-89-8

10 - 30

D-LIMONENE; orange distillate; citrus terpene; cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)-

5989-27-5

3 - 7

CARBON DIOXIDE

124-38-9

1 - 5

ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol

67-63-0

1 - 5

Section 4. First Aid Measures

Eye Contact	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
Skin Contact	Flush affected skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation	Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.
Ingestion	If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Never give anything by mouth to an unconscious person. Do not induce vomiting unless directed to do so by medical personnel. Aspiration hazard if swallowed. Can enter lungs and cause damage. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention.

Section 5. Fire Fighting Measures

Flash Point	Closed cup (Tagliabue.): <26°C (<79°F).
Flammable Limits	Not available.
Flammability	FLAMMABLE. (CSMA)
Auto-ignition Temperature	
Fire-Fighting Procedures	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Use dry chemical or CO ₂ .
Fire hazard	Flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.
Products of Combustion	carbon oxides (CO, CO ₂) and other unidentified organic compounds.
Explosion hazard	Not available.

Section 6. Accidental Release Measures

Spill Clean up	Large spills are unlikely due to packaging.
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Section 7. Handling and Storage

Handling	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Store and use away from heat, sparks, open flame or any other ignition source. Put on appropriate personal protective equipment (see section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid breathing gas. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Wash thoroughly after handling.
Storage	CONTENTS UNDER PRESSURE. Do not store above the following temperature: 49°C (120.2°F). Store away from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Eliminate all ignition sources. Do not puncture or incinerate container. Keep out of the reach of children.

Section 8. Exposure Controls/Personal Protection**Product name**

Distillates (petroleum), hydrotreated heavy naphthenic

Carbon dioxide

Exposure limits**CA Quebec Provincial (Canada, 6/2008).**TWA_{EV}: 5 mg/m³ 8 hour(s). Form: mist
STEV: 10 mg/m³ 15 minute(s). Form: mist**CA Ontario Provincial (Canada, 7/2010).**TWA: 5 mg/m³ 8 hour(s). Form: mist
STEL: 10 mg/m³ 15 minute(s). Form: mist**CA Alberta Provincial (Canada, 4/2009).**15 min OEL: 54000 mg/m³ 15 minute(s).

8 hrs OEL: 5000 ppm 8 hour(s).

15 min OEL: 30000 ppm 15 minute(s).

8 hrs OEL: 9000 mg/m³ 8 hour(s).**CA British Columbia Provincial (Canada, 9/2010).**

TWA: 5000 ppm 8 hour(s).

STEL: 15000 ppm 15 minute(s).

CA Ontario Provincial (Canada, 7/2010).

TWA: 5000 ppm 8 hour(s).

TWA: 9000 mg/m³ 8 hour(s).

STEL: 30000 ppm 15 minute(s).

STEL: 54000 mg/m³ 15 minute(s).**CA Quebec Provincial (Canada, 6/2008).**TWA_{EV}: 5000 ppm 8 hour(s).TWA_{EV}: 9000 mg/m³ 8 hour(s).

STEV: 30000 ppm 15 minute(s).
STEV: 54000 mg/m³ 15 minute(s).

propan-2-ol

CA Alberta Provincial (Canada, 4/2009).

15 min OEL: 984 mg/m³ 15 minute(s).
8 hrs OEL: 200 ppm 8 hour(s).
15 min OEL: 400 ppm 15 minute(s).
8 hrs OEL: 492 mg/m³ 8 hour(s).

CA British Columbia Provincial (Canada, 9/2010).

TWA: 200 ppm 8 hour(s).
STEL: 400 ppm 15 minute(s).

CA Ontario Provincial (Canada, 7/2010).

TWA: 200 ppm 8 hour(s).
STEL: 400 ppm 15 minute(s).

CA Quebec Provincial (Canada, 6/2008).

TWAEV: 400 ppm 8 hour(s).
TWAEV: 983 mg/m³ 8 hour(s).
STEV: 500 ppm 15 minute(s).
STEV: 1230 mg/m³ 15 minute(s).

Personal Protective Equipment (PPE)**Eyes** Recommended: Safety glasses.**Hands and Body** Recommended: Nitrile gloves.**Respiratory** Recommended: Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits.**Section 9. Physical and Chemical Properties****Physical State** Liquid. [Aerosol.]**pH** Not available.**Boiling Point** 82.222°C (180°F)**Specific Gravity** 0.856**Solubility** Insoluble in the following materials: cold water and hot water.**Color** Amber.**Odor** Citrus**Vapor Pressure** Not available.**Vapor Density** Not available.**Evaporation Rate** Not available.**Freezing Point****VOC (Consumer)** 24.8% 1.77 lbs/gal 212 g/l**Section 10. Stability and Reactivity****Stability and Reactivity** The product is stable.**Incompatibility** Reactive or incompatible with the following materials: oxidizing materials and alkalis. Avoid contact with strong oxidizers, excessive heat, sparks or open flame.**Hazardous Polymerization** Will not occur.**Hazardous Decomposition Products** Under normal conditions of storage and use, hazardous decomposition products should not be produced.**Section 11. Toxicological Information****Carcinogenicity** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Solvent naphtha (petroleum), light aliph.	LC50 Inhalation Vapor	Rat	3400 ppm	4 hours
(R)-p-mentha-1,8-diene	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	4400 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
propan-2-ol	LC50 Inhalation Vapor	Rat	16000 ppm	4 hours
	LD50 Dermal	Rabbit	5030 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	-
	LD50 Oral	Rat	5045 mg/kg	-
Distillates (petroleum), hydrotreated heavy naphthenic	LD50 Oral	Rat	>5000 mg/kg	-

Section 12. Ecological Information

Environmental Effects

No known significant effects or critical hazards.

Aquatic Ecotoxicity

(R)-p-mentha-1,8-diene	-	Acute EC50 421 ug/L Fresh water	Daphnia - Water flea - Daphnia magna - <24 hours	48 hours
	-	Acute EC50 688 ug/L Fresh water	Fish - Fathead minnow - Pimephales promelas - 34 days - 19.1 mm - 0.085 g	96 hours
propan-2-ol	-	Acute LC50 1400000 ug/L Marine water	Crustaceans - Common shrimp, sand shrimp - Crangon crangon	48 hours
	-	Acute LC50 >1400000 ug/L	Fish - Western mosquitofish - Gambusia affinis - 20 to 30 mm	96 hours

Section 13. Disposal Considerations

Waste Information

Waste must be disposed of in accordance with applicable regulations. Consult your local or regional authorities for additional information.

Waste Stream

Code: D001

Classification: - [Hazardous waste.]

Origin: - [RCRA waste.]

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
TDG Classification	1950	Aerosols, flammable	2.1	-		<u>Explosive Limit and Limited Quantity Index</u> 1
IMDG Class						-

NOTE: DOT classification applies to most package sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment. Limited Quantity: Small quantities of controlled goods are not regulated as Dangerous Goods according to TDG regulations.

PG* : Packing group

Section 15. Regulatory Information

Canada

WHMIS (Canada)

Class A: Compressed gas.

Class B-5: Flammable aerosol.

Class D-2B: Material causing other toxic effects (Toxic).

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

Section 16. Other Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.