



Zep Commercial Sales & Service
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Safety Data Sheet

Section 1. Chemical Product and Company Identification

Product name Stainless Steel Polish
Product code ZUSSTL14
Date of issue 01/22/13 **Supersedes** 10/04/12

Emergency Telephone Numbers

For MSDS Information:

Compliance Services 404-352-1680

For Medical Emergency

(877) 541-2016 Toll Free - All Calls Recorded

For Transportation Emergency

CHEMTREC: (800) 424-9300 - All Calls Recorded

In the District of Columbia (202) 483-7616

Prepared By

Compliance Services
 1420 Seaboard Industrial Blvd.
 Atlanta, GA 30318

Section 2. Hazards Identification

Emergency overview

*Hazard Determination System (HDS): Health, Flammability, Reactivity

DANGER!

2 3 0

FLAMMABLE. CONTENTS UNDER PRESSURE. CAUSES EYE IRRITATION. HARMFUL OR FATAL IF SWALLOWED.

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

Dermal contact. Eye contact. Inhalation.

Eyes

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

Skin

May cause skin irritation. Skin inflammation is characterized by itching, scaling, or reddening. May cause allergic reactions in certain individuals.

Inhalation

Avoid direct inhalation of spray. Inhalation of high concentrations of vapor may affect the central nervous system. Inhalation of spray mists or vapors may cause central nervous system depression characterized by headache, dizziness, nausea, and/or stupor.

Ingestion

Harmful if swallowed. Aspiration hazard if swallowed. Can enter lungs and cause damage. Call physician immediately.

Chronic effects

Contains material which may cause damage to the following organs: blood, kidneys, lungs, liver, spleen, upper respiratory tract, skin, central nervous system (CNS), ears, eye, lens or cornea. Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation.

Carcinogenicity No known significant effects or critical hazards.

Product/ingredient name

Not available.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

CAS number	% by Weight
64742-52-5	55 - 65
64742-47-8	15 - 25
94266-47-4	1 - 5
124-38-9	1 - 5
67-63-0	1 - 5

Distillates (petroleum), hydrotreated heavy naphthenic
 Distillates (petroleum), hydrotreated light
 Citrus Terpenes; Citrus, ext.
 Carbon dioxide
 IPA; Isopropyl Alcohol; propan-2-ol

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 immediately.
- Skin Contact** Wash affected area with soap or mild detergent and water. Remove contaminated clothing and shoes. Get medical attention if irritation develops.
- Inhalation** Move exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
- Ingestion** Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting unless directed to do so by medical personnel. 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. Call physician immediately.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A.)



- Flash Point** Not available.
- Flammable Limits** Not available.
- Flammability** FLAMMABLE AEROSOL. (16 CFR 1500.45)
- Fire hazard** In a fire or if heated, a pressure increase will occur and the container may burst. Bursting aerosol containers may be propelled from a fire at high speed.
- Fire-Fighting Procedures** Use an extinguishing agent suitable for the surrounding fire.

Section 6. Accidental Release Measures

- Spill Clean up** Spills are unlikely due to packaging.

Section 7. Handling and Storage

- Handling** Put on appropriate personal protective equipment (see section 8). Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Empty containers retain product residue and can be hazardous.
- Storage** CONTENTS UNDER PRESSURE. Eliminate all ignition sources. Do not puncture, incinerate or store the container at temperatures above 49°C (120°F) or in direct sunlight. Keep out of the reach of children.

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

Distillates (petroleum), hydrotreated heavy naphthenic

Exposure limits

ACGIH TLV (United States, 2/2010).
TWA: 5 mg/m³ 8 hour(s). Form: Inhalable fraction

NIOSH REL (United States, 6/2009).
TWA: 5 mg/m³ 10 hour(s). Form: Mist
STEL: 10 mg/m³ 15 minute(s). Form: Mist

OSHA PEL (United States, 6/2010).
TWA: 5 mg/m³ 8 hour(s).

Carbon dioxide

ACGIH TLV (United States, 2/2010).
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).

OSHA PEL 1989 (United States, 3/1989).
TWA: 10000 ppm 8 hour(s).

TWA: 18000 mg/m³ 8 hour(s).
STEL: 30000 ppm 15 minute(s).
STEL: 54000 mg/m³ 15 minute(s).

NIOSH REL (United States, 6/2009).
TWA: 5000 ppm 10 hour(s).

TWA: 9000 mg/m³ 10 hour(s).
STEL: 30000 ppm 15 minute(s).
STEL: 54000 mg/m³ 15 minute(s).

OSHA PEL (United States, 6/2010).
TWA: 5000 ppm 8 hour(s).

TWA: 9000 mg/m³ 8 hour(s).
ACGIH TLV (United States, 2/2010).
TWA: 200 ppm 8 hour(s).

STEL: 400 ppm 15 minute(s).
OSHA PEL 1989 (United States, 3/1989).
TWA: 400 ppm 8 hour(s).

TWA: 980 mg/m³ 8 hour(s).
STEL: 500 ppm 15 minute(s).
STEL: 1225 mg/m³ 15 minute(s).

IPA; Isopropyl Alcohol; propan-2-ol

NIOSH REL (United States, 6/2009).

TWA: 400 ppm 10 hour(s).

TWA: 980 mg/m³ 10 hour(s).

STEL: 500 ppm 15 minute(s).

STEL: 1225 mg/m³ 15 minute(s).**OSHA PEL (United States, 6/2010).**

TWA: 400 ppm 8 hour(s).

TWA: 980 mg/m³ 8 hour(s).**Personal Protective Equipment (PPE)**

- Eyes** Safety glasses.
- Body** Recommended: Neoprene gloves. Nitrile gloves. Rubber gloves.
- Respiratory** Use with adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

**Section 9. Physical and Chemical Properties**

Physical State	Liquid. [Aerosol.]	Color	Amber.
pH	Not available.	Odor	Citrus
Boiling Point	82.22°C (180°F)	Vapor Pressure	Not available.
Specific Gravity	0.856	Vapor Density	Not available.
Solubility	Insoluble in the following materials: cold water and hot water.	Evaporation Rate	Not available.
		VOC (Consumer)	14.7 % (w/w) 1.05 lbs/gal (125.5 g/l)

Section 10. Stability and Reactivity

- Stability and Reactivity** The product is stable.
- Incompatibility** Avoid contact with strong oxidizers, excessive heat, sparks or open flame.
- Hazardous Polymerization** Under normal conditions of storage and use, hazardous polymerization will not occur.
- Hazardous Decomposition Products** carbon oxides (CO, CO₂)

Section 11. Toxicological Information**Acute Toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
Distillates (petroleum), hydrotreated heavy naphthenic	LD50 Oral	Rat	>5000 mg/kg	-
propan-2-ol	LD50 Dermal	Rabbit	12800 mg/kg	-
	LD50 Oral	Rat	5000 mg/kg	-

Section 12. Ecological Information

- Environmental Effects** Not available.
- Aquatic Ecotoxicity**


Distillates (petroleum), hydrotreated light	-	Acute LC50 2200 ug/L Fresh water	Fish - Bluegill - Lepomis macrochirus - 35 to 75 mm	4 days
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 federal, state and local environmental control regulations. Consult your local or regional authorities for additional information.

- Waste Stream** Code: D001
Classification: Ignitable hazardous waste.
Origin: RCRA waste.

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	-	Consumer commodity or Limited quantity	ORM-D	-	
TDG Classification	Not regulated.	-	-	-	
IMDG Class	UN1950	AEROSOLS, flammable	2.1	-	

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.

PG* : Packing group

Section 15. Regulatory Information**U.S. Federal Regulations**

SARA 313 toxic chemical notification and release reporting:

Product name

propan-2-ol

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

All Components of this product are listed or exempt from listing on TSCA Inventory.

State Regulations**California Prop 65**

WARNING: This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.

Canada**WHMIS (Canada)**

Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

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

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.

*NOTE: Hazard Determination System (HDS) ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although these ratings are not required on MSDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HDS ratings are to be used with a fully implemented program to relay the meanings of this scale.