

Safety Data Sheet



Superior Solutions

Zep, Inc.
1310 Seaboard Industrial Blvd.
Atlanta, GA 30318
1-877-I-BUY-ZEP (428-9937)
www.zep.com

Section 1. Chemical Product and Company Identification

Product name STAINLESS STEEL POLISH
Product use Aerosol Cleaner and Polish
Product code 0143
Date of issue 08/28/12 **Supersedes** 07/24/09

Emergency Telephone Numbers

For MSDS Information:
Compliance Services 1-877-I-BUY-ZEP (428-9937)

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 !



FLAMMABLE LIQUID AND VAPOR. DO NOT SMOKE. SHUT OFF ALL IGNITION SOURCES. VAPOR HARMFUL. CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION.

CONTENTS UNDER PRESSURE.

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

Over-exposure by inhalation may cause respiratory irritation. Can cause central nervous system (CNS) depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Ingestion

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

Chronic effects

Prolonged or repeated contact may dry skin and cause irritation. Contains material which may cause damage to the following organs: kidneys, lungs, liver, central nervous system (CNS), mucous membranes.

Carcinogenicity

Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

Product/ingredient name

ACGIH

IARC

EPA

NIOSH

NTP

OSHA

None.

Additional Information: See Toxicological Information (Section 11)

Section 3. Composition/Information on Ingredients

Name of Hazardous Ingredients

Name of Hazardous Ingredients	CAS number	% by Weight
Distillates (petroleum), hydrotreated heavy naphthenic	64742-52-5	60-70
Solvent naphtha (petroleum), light aliph.	64742-89-8	10-20
IPA; Isopropyl Alcohol; propan-2-ol	67-63-0	1-5
Carbon dioxide	124-38-9	1-5
Citrus Terpenes; Citrus, ext.	94266-47-4	1-10

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. Get medical attention immediately.

Section 5. Fire Fighting Measures

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



Flash Point	Not available.
Flammable Limits	Not available.
Flammability	FLAMMABLE. (CSMA Method)
Fire hazard	CONTENTS UNDER PRESSURE. Flammable liquid and vapor. 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.
Fire-Fighting Procedures	Use an extinguishing agent suitable for the surrounding fire. Cool closed containers exposed to fire with water. Fire-fighters should wear appropriate protective equipment.

Section 6. Accidental Release Measures

Spill Clean up Large spills are unlikely due to packaging.

Section 7. Handling and Storage

Handling	Put on appropriate personal protective equipment (see section 8). Store and use away from heat, sparks, open flame or any other ignition source. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Observe label precautions. Wash contaminated clothing before reusing. Wash thoroughly after handling.
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).

IPA; Isopropyl Alcohol; propan-2-ol

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).
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).

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).

Personal Protective Equipment (PPE)

Eyes Safety glasses.

Body Recommended: Neoprene gloves. Nitrile gloves. Rubber gloves.



Respiratory Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Wear appropriate respirator when ventilation is inadequate.

Section 9. Physical and Chemical Properties

Physical State Liquid. [Aerosol.]

pH Not applicable

Boiling Point 82.22°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 determined.

Vapor Density Not determined.

Evaporation Rate Not determined.

VOC (Consumer) 24.8% 1.77
 (lb/gal) 212
 (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 Will not occur.

Hazardous Decomposition Products carbon oxides (CO, CO₂)

Section 11. Toxicological Information

Acute Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Not available.				

Section 12. Ecological Information

Environmental Effects

Aquatic Ecotoxicity

Not available.

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: - [Hazardous waste]
 Origin: - [RCRA waste.]

Section 14. Transport Information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label
DOT Classification	Not available.	Consumer commodity	ORM-D	-	
IMDG Class	UN1950	Aerosols, flammable (propan-2-ol)	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

No products were found.

Clean Water Act (CWA) 307: No products were found.

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.: Benzene, Toluene

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.