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1-877-I-BUY-ZEP (428-9937)  
Superior Solutions www.zep.com

# Material Safety Data Sheet and Safe Handling and Disposal Information

## Section 1. Chemical Product and Company Identification

**Product name** STOVE AND OVEN CLEANER  
**Product use** Aerosol Oven Cleaner  
**Product code** 0271  
**Date of issue** 07/20/05 **Supersedes** 10/03/00

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

**For Medical Emergency**  
INFOTRAC: (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

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## Section 2. Composition, Information on Ingredients

Name of hazardous ingredients	CAS #	% by Weight	Exposure Limits
POTASSIUM HYDROXIDE; caustic potash; lye	1310-58-3	<5	ACGIH /OSHA (United States). CEIL: 2 mg/m <sup>3</sup>
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	<5	ACGIH TLV (United States). TWA: 20 ppm 8 hour(s). OSHA PEL (United States). Skin TWA: 50 ppm 8 hour(s).
HYDROCARBON PROPELLANT; blend of propane & isobutane	75-28-5; 74-98-6	<5	ACGIH TLV / OSHA PEL (United States). Notes: Propane TWA: 1000 ppm 8 hour(s).

## Section 3. Hazards Identification

### Acute Effects

**Routes of Entry** Dermal contact. Eye contact. Inhalation.

**Skin** Hazardous by the following route of exposure: of skin contact (corrosive, permeator). Skin contact may produce burns. Harmful if absorbed through the skin.

**Eyes** Hazardous by the following route of exposure: of eye contact (corrosive). Eye exposure may cause severe and permanent eye injury (blindness). Liquid, spray or mist may produce tissue damage, particularly to mucous membranes of eyes, mouth and respiratory tract.

**Inhalation** Hazardous by the following route of exposure: of inhalation (lung corrosive). Liquid, spray or mist may produce tissue damage, particularly to mucous membranes of eyes, mouth and respiratory tract. Inhalation of the spray or mist may produce severe irritation of respiratory tract, characterized by coughing, choking or shortness of breath. Prolonged repeated exposure may cause chemical pneumonitis.

**Ingestion** May be fatal if swallowed. May cause burns to mouth, throat and stomach.

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

### Carcinogenic Effects

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

### Chronic Effects

The substance may be toxic to blood, kidneys, liver. Repeated or prolonged exposure to the substance can produce target organs damage. Overexposure of this product by inhalation or absorption can produce central nervous system depression resulting in headache, nausea and/or dizziness. Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation. Repeated skin exposure can produce local skin destruction or dermatitis.

See Toxicological Information (section 11)

## Section 4. First Aid Measures

### Eye Contact

Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

### Skin Contact

In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

### Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

### HMIS

Health	3
Fire Hazard	0
Reactivity	0
Personal Protection	C

**Ingestion** Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

### Section 5. Fire Fighting Measures

**Flash Point** Not available. **Flammable Limits** Not available.

**Flammability** Non-flammable. (CSMA)

**Fire hazard** Cool closed containers exposed to fire with water. Containers may rupture from pressure build-up.

**Fire-fighting procedures** Cool closed containers exposed to fire with water. Use flooding quantities of water.



### Section 6. Accidental Release Measures

**Spill Clean up** Large spills are unlikely due to packaging.

### Section 7. Handling and Storage

**Handling** Avoid contact with eyes, skin and clothing. Do not ingest. Do not breathe vapor or mist. Use only with adequate ventilation. Wash thoroughly after handling. Keep away from food, drink and animal feeding stuffs.

**Storage** Keep away from heat and direct sunlight. Keep container in a cool, well-ventilated area. Do not store above the following temperature: 49°C (120.2°F). Do not puncture or incinerate. Keep out of the reach of children.

### Section 8. Exposure Controls, Personal Protection

#### Personal Protection

#### Protective Clothing (Pictograms)

**Eyes** Splash goggles.

**Body** Synthetic apron. Nitrile gloves.

**Respiratory** Use with adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Wear appropriate respirator when ventilation is inadequate. Approved/certified respirator with organic vapor cartridge.



### Section 9. Physical and Chemical Properties

**Physical State** Viscous liquid. (Aerosol.) **Color** Light Brown.

**pH** 13.0 - 13.5 **Odor** Butyl acetate.

**Boiling Point** 104.44°C (220°F) **Vapor Pressure** Not available.

**Specific Gravity** 1.43 (Water = 1) **Vapor Density** Not available.

**Solubility** Easily soluble in the following materials: cold water, hot water. **Evaporation Rate** <1 compared with Water

**VOC (Consumer)** 60 (g/l). (8.0%)

### Section 10. Stability and Reactivity

**Stability and Reactivity** The product is stable.

**Incompatibility** Avoid contact with strong oxidizers, excessive heat, sparks or open flame. Reactive with acids.

**Hazardous Polymerization** Will not occur.

**Hazardous Decomposition Products** carbon oxides (CO, CO<sub>2</sub>) nitrogen oxides (NO, NO<sub>2</sub> etc.)

### Section 11. Toxicological Information

**Toxicity to Animals**

**Potassium Hydroxide:** <sup>^</sup>[25,45,50,70  
 ORAL (LD50): □ Acute: 365 mg/kg [Rat].

**Ethylene Glycol Monobutyl Ether:** <sup>^</sup>[25,45,50,70  
 ORAL (LD50): □ Acute: 1746 mg/kg [Rat].  
 DERMAL (LD50): □ Acute: 680 mg/kg [Rabbit].  
 VAPOR (LC50): □ Acute: 450 ppm 4 hour(s) [Rat (Female)].

### Section 12. Ecological Information

**Ecotoxicity** Not available.

**Biodegradable/OECD** Not available.

### Section 13. Disposal Considerations

**Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations. **Waste Stream** Code: D001, D002  
 Classification: - (Hazardous waste.)  
 Origin: - (RCRA waste.)

Consult your local or regional authorities.

### Section 14. Transport Information

**Proper shipping name** Consumer commodity

**DOT Classification** ORM-D **UN number** Not regulated.

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.

**TDG Classification** ORM-D

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

SARA 313 toxic chemical notification and release reporting:

Ethylene Glycol Monobutyl Ether

Clean Water Act (CWA) 311: Potassium Hydroxide RQ 1000 lbs. (454 kg)

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: No products were found.

**WHMIS (Canada)**

Class A: Compressed gas.

Class D-1A: Material causing immediate and serious toxic effects (Very toxic).

Class E: Corrosive liquid.

**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.*