

## **Material Safety Data Sheet**

and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name

ZEP DRY GRAPHITE

**Product Use** 

Aerosol Lubricant

**Product Code** 

0164

Date of issue

10/07/04

Supersedes 02/14/00

**Emergency For MSDS Information:** 

**Telephone** Acuity Specialy Products Group, Inc.

Numbers

Compliance Services 1-877-I-BUY-ZEP

For Medical Emergency:

INFOTRAC

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

For a Transportation Emergency:

CHEMTREC

(800) 424-9300 - All Calls Recorded

In the District of Columbia (202) 483-7616

Prepared by Compliance Services Group

Acuity Specialty Products Group 1420 Seaboard Industrial Blvd.

Atlanta, GA 30318

Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS#	% by Weight	Exposure Limits
TRICHLOROETHYLENE; acetylene trichloride; I-chłoro-2,2-dichloroethylene	79-01-6	60-70	ACGIH TLV (United States, 1989). TWA: 50 ppm 8 hour(s). STEL: 100 ppm 15 minute(s). OSHA PEL (United States, 1989). TWA: 50 ppm 8 hour(s). STEL: 200 ppm 15 minute(s).
BLEND OF GRAPHITE, ISOPROPANOL, N-BUTYL ALCOHOL, HEXYLENE GLYCOL, PROPYLENE GLYCOL METHYL ETHER	7782-42-5; 67-63-0; 71-36- 3; 107-41-5; 107-98-2	5-15	Not available.
BLEND OF ISOBUTANE & PROPANE	74-98-6; 75-28- 5	20-30	ACGIH TLV (United States). : 800 ppm 8 hour(s). OSHA PEL (United States). TWA: 1000 ppm 8 hour(s).

## Section 3. Hazards Identification

Printing date: 10/07/04

Acute Effects

Routes of Entry Absorbed through skin. Inhalation.

Skin

Hazardous in case of skin contact (irritant). Non-sensitizer for skin. Skin inflammation is

characterized by itching, scaling, reddening, or, occasionally, blistering.

Eyes

Hazardous in case of eye contact (irritant). Liquid in eye may cause irritation with possible

damage if not rinsed immediately.

Inhalation Hazardous in case of inhalation (lung irritant). Can cause central nervous system depression. Inhalation of vapor/aerosol concentrations above the recommended exposure limits causes headaches, drowsiness, and nausea, and may lead to unconsciousness or death.

Prolonged repeated exposure may cause chemical pneumontitis. Medical Conditions

Aggravated by Overexposure: Respiratory, Heart (Cardiac).

Ingestion Aspiration hazard if swallowed- can enter lungs and cause damage.

Carcinogenic Effects

Trichloroethylene: Classified + (Proven) by OSHA; Classified 2A (Probable for human) by IARC;

Category 2 (Reasonably Anticipated To Be Human Carcinogen) by NTP.

Chronic Effects

The substance may be toxic to kidneys, liver, central nervous system (CNS), heart. Repeated or prolonged exposure to the substance can produce target organs damage. Defatting to the skin.

Prolonged skin contact may cause dermatitis with drying and cracking of skin.

See Toxicological Information (section 11)

Product Code 0164

Material Safety Data Sheet

Product Name ZEP DRY GRAPHITE

Section 4. First Aid Measures

Eye Contact Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get

medical attention.

Skin Contact Wash affected area with soap or mild detergent and water. Cover the irritated skin with an emollient.

Remove contaminated clothing and shoes. Get medical attention if irritation develops.

Inhalation If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give

oxygen. Get medical attention.

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, keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point Not applicable. Flammable Limits Not applicable.

Flammability Non-flammable. (CSMA)

Fire Hazard Container explosion may occur under fire conditions or when heated. Thermal decomposition

of product can produce toxic vapors of Hydrogen Chloride (HCl), Chlorine, and Phosgene

Fire-Fighting Procedures In case of fire, use water spray (fog), foam, dry chemical, or CO<sub>2</sub>. Wear

special protective clothing and positive pressure, self-contained breathing

apparatus.

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. Avoid breathing vapors or spray mists. Use only with adequate

> ventilation. Watch for accumulation in low confined areas. Wash thoroughly after handling. Wash contaminated clothing before reusing. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat or

sources of ignition.

Storage Keep away from heat and direct sunlight. Keep container in a cool, well-ventilated area. Do not store above 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)

Safety glasses. **Body** Chemical resistant gloves (Viton)

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

Eyes

Section 9. Physical and Chemical Properties

Physical State Liquid. (Aerosol.) рΗ Not applicable.

**Boiling Point** 82.2 - 87.8°C (180 - 190 °F)

Specific Gravity 1.32 (Water = 1)

Solubility

Color Grey. (Dark.) Odor Solvent-like.

Vapor Pressure 8 kPa (60 mmHg) (at 20°C)

Vapor Density Not determined.

Evaporation Rate >1 compared to Butyl acetate. Insoluble in cold water, hot water.

VOC (Consumer) 87.9%

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Reactive with oxidizing agents, metals, alkalis.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride (HCl), Chlorine and Phosgene

Section 11. Toxicological Information

**Toxicity to Animals** Trichloroethylene:

ORAL (LD50):

Acute: 4920 mg/kg [Rat]. 2402 mg/kg [Mouse].

DERMAL (LD50): Acute: 29800 mg/kg [Rabbit]. Product Code 0164 Material Safety Data Sheet Product Name ZEP DRY GRAPHITE

Section 12. Ecological Information

Ecotoxicity Not available. Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste must be disposed of in accordance with federal, Waste Stream Code: D040

Information state and local environmental control regulations. 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.

Section 15. Regulatory Information

U.S. Federal Regulations SARA 313 toxic chemical notification and release reporting:

Trichloroethylene

Clean Water Act (CWA) 311: Trichloroethylene RQ 100 lbs. (45.36 kg) Clean air act (CAA) 112 regulated toxic substances: Trichloroethylene

## 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 switability 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.