

# **Material Safety Data Sheet**

# and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

**Product name ZEP 2000** 

**Product Use** Aerosol Penetrating Grease

**Product Code** 4164

Date of issue 12/30/04 Supersedes 02/18/04

**Emergency For MSDS Information:** 

Telephone Acuity Specialy Products Group, Inc. Compliance Services 1-877-I-BUY-ZEP **Numbers** 

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
HEPTANE; n-heptane	142-82-5	20 - 30	ACGIH/OSHA (United States).
			TWA: 400 ppm 8 hour(s).
			ACGIH/OSHA (United States).
			STEL: 500 ppm 15 minute(s).
BLEND OF ISOBUTANE & PROPANE	74-98-6; 75-28-	20 - 30	ACGIH TLV (United States).
	5		TWA: 800 ppm 8 hour(s).
			OSHA PEL (United States).
			TWA: 1000 ppm 8 hour(s).
HYDROTREATED LIGHT PETROLEUM DISTILLATES; paraffinic,	64742-47-8	<10	Supplier Suggested (United States).
naphthenic solvent			TWA: 100 ppm 8 hour(s).

## Section 3. Hazards Identification

Printing date: 12/30/04

# **Acute Effects**

Routes of Entry Absorbed through skin. Inhalation.

Skin

Hazardous in case of skin contact (irritant, permeator). Skin inflammation is characterized by itching, scaling, or reddening. Product may be dermal absorbed. Defatting properties,

may aggravate an existing dermatitis.

**Eyes** 

Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.

Inhalation Hazardous in case of inhalation (lung irritant). Avoid breathing vapors or spray mists. Overexposure by inhalation may cause respiratory irritation. Can cause central nervous system depression. Symptoms and signs include headaches, 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. Vomiting increases risk of chemical pneumonia.

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 Chronic Effects** 

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

Prolonged or repeated contact may dry skin and cause irritation. Over-exposure by inhalation or absorption can cause central nervous system depression.

See Toxicological Information (section 11)

**HMIS** ire Hazard Reactivity

Personal Protection

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Health

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Section 4. First Aid Measures

**Eye Contact** Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water

for at least 15 minutes. Get medical attention.

**Skin Contact** Wash affected area with soap or mild detergent and water. Remove contaminated clothing and shoes.

Wash clothing before reuse. If irritation persists, get medical attention.

**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. Never give anything by mouth to an

unconscious person. Do NOT induce vomiting unless directed to do so by medical personnel. Get medical

attention immediately.

Section 5. Fire Fighting Measures

Flash Point Closed cup: <-18°C (<0°F) Flammable Limits LOWER: 1.2% UPPER: 6.7%

Tagliabue.

**Flammability** Extremely flammable. (CSMA) Aerosol that may flashback.

Fire Hazard Vapor may cause fire. Vapors may accumulate in low or confined areas, travel considerable

distance to source of ignition and flash back. Container explosion may occur under fire

conditions or when heated.

**Fire-Fighting Procedures** Dry chemical, carbon dioxide, foam, water fog. Wear special protective

clothing and positive pressure, self-contained breathing apparatus. Cool containing vessels with water jet in order to prevent pressure build-up,

autoignition or explosion.

Section 6. Accidental Release Measures

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

Section 7. Handling and Storage

**Handling** Extremely flammable liquid and vapor. Keep away from heat, sparks and flame. Use only with adequate ventilation.

Avoid breathing vapors or spray mists. Avoid contact with eyes, skin and clothing. Wash contaminated clothing

before reusing. Wash thoroughly after handling.

**Storage** CONTENTS UNDER PRESSURE. Store and use away from heat, sparks, open flame, or any other ignition source.

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)** 

**Eyes** Safety glasses.

**Body** 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 threshold limit value. Wear appropriate respirator when ventilation is

inadequate. Approved/certified respirator with organic vapor cartridges.

Section 9. Physical and Chemical Properties

Physical StateLiquid. (Aerosol.)Color Amber.pHNot applicable.Odor Solvent-like.Boiling PointNot determined.Vapor Pressure Not determined.Specific Gravity0.75 (Water = 1)Vapor Density Not determined.

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

**VOC (Consumer)** 50.0% 3.12 (lb/gal) 374 (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, CO<sub>2</sub>) and sulfur oxides (SO<sub>2</sub>, SO<sub>3</sub>...)

Section 11. Toxicological Information

**Toxicity to Animals** Hydrotreated Light Petroleum Distillates :

ORAL (LD50): Acute: >5000 mg/kg [Rat].
DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].

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# Section 12. Ecological Information

**Ecotoxicity** Not available. **Biodegradable/OECD** Not available.

#### Section 13. Disposal Considerations

Waste Waste must be disposed of in accordance with federal, Waste Stream Code: D001

**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 available.

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.

## Section 15. Regulatory Information

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

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.

#### 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.