ZEP Manufacturing Company
Acuity Specialty Products Group, Inc.
P.O. Box 2015
Atlanta, GA 30301
1-877-I-BUY-ZEP (428-9937)
www.zep.com

Material Safety Data Sheet
and Safe Handling and Disposal Information

00007 B350
LEES SUMMIT R-7 SCHOOL DIST
BUS BARN
500 TRANSPORT DR
LEES SUMMIT MO 64081-3290

Printing date: 02/22/06

Section 1. Chemical Product and Company Identification

Product name **Zep 45 NC**
Product Use Aerosol Lubricant & Penetrant
Product Code **0149**
Date of issue **02/15/06** **Supersedes 12/17/03**

Emergency Telephone Numbers
For MSDS Information:
Acuity Specialty Products Group, Inc.
Compliance Services 1-877-I-BUY-ZEP (428-9937)

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
LIGHT AROMATIC NAPHTHA; aromatic hydrocarbon solvent; solvent naphtha (petroleum)	64742-95-6	10-20	Not established
LIGHT ALIPHATIC NAPHTHA; solvent naphtha (petroleum), medium aliphatics; formerly: light aromatic naphtha	64742-88-7	10-20	**ACGIH TLV (United States).** STEL: 200 ppm 8 hour(s). **OSHA PEL (United States).** TWA: 500 ppm 8 hour(s). **ACGIH TLV (United States).** TWA: 100 ppm 8 hour(s).
PARAFFIN OIL; blend of heavy and light naphthenic petroleum distillate	64742-52-5	10-20	**OSHA PEL (United States).** : 5 mg/m^3 8 hour(s). Form: Mist **ACGIH TLV (United States).** : 5 mg/m^3 8 hour(s). Form: Mist
ETHANOL; ethyl alcohol; grain alcohol	64-17-5	5-15	**ACGIH TLV (United States).** TWA: 1000 ppm 8 hour(s). **OSHA PEL (United States).** TWA: 1000 ppm 8 hour(s).
MINERAL SEAL OIL; mineral oil; petrolatum	64741-77-1	1-10	**OSHA PEL (United States).** : 5 mg/m^3 8 hour(s). Form: Mist **ACGIH TLV (United States).** : 5 ppm 8 hour(s). Form: Mist
1,2,4-TRIMETHYLBENZENE	95-63-6	1-10	**ACGIH TLV (United States).** : 25 ppm **OSHA PEL (United States).** : 25 ppm
BLEND OF AMYL ACETATE; 3-METHYL BUTYL ACETATE; 2-METHYL BUTYL ACETATE	628-63-7; 123-92-2; 624-41-9	1-5	**OSHA PEL (United States).** TWA: 100 ppm 8 hour(s). **ACGIH TLV (United States).** TWA: 50 ppm 8 hour(s). STEL: 100 ppm 15 minute(s).
DIETHYLENE GLYCOL MONOBUTYL ETHER; 2-(2-butoxyethoxy) -ethanol; butyl carbitol	112-34-5	1-5	Not established

Section 3. Hazards Identification

HMIS	
Health	2
Fire Hazard	2
Reactivity	0
Personal Protection	B

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

Skin Direct contact may cause irritation and redness. Prolonged skin contact may cause dermatitis with drying and cracking of skin. May be harmful if absorbed through skin.

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

Inhalation Hazardous in case of inhalation. May cause respiratory tract irritation. Can cause central nervous system depression. Medical Conditions Aggravated by Overexposure: Respiratory

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

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 Prolonged or repeated contact may dry skin and cause irritation. Can cause central nervous system depression. The substance may be toxic to blood, kidneys, liver, heart, ears, eye, lens or cornea. Repeated or prolonged exposure to the substance can produce target organs damage.

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.

Skin Contact Wash contaminated skin with soap and water. Remove contaminated clothing and shoes. Cover the irritated skin with an emollient. 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. If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention immediately.

Section 5. Fire Fighting Measures

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

Flammability FLAMMABLE. (CSMA)

Fire Hazard FLAMMABLE LIQUID AND VAPOR. Vapor may cause flash 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 Use dry chemical or CO_2. Cool closed containers exposed to fire with water. 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 CONTENTS UNDER PRESSURE. Keep away from heat, sparks and flame. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Use with adequate ventilation. Wash contaminated clothing before reusing.

Storage Keep container tightly closed. 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

Eyes Safety glasses.

Body For prolonged or repeated handling, use chemical resistant gloves. Recommended: Neoprene gloves. Nitrile gloves. Rubber gloves.

Protective Clothing (Pictograms)

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 179.44°C (355°F)

Specific Gravity 0.86 (Water = 1)

Solubility Insoluble in cold water, hot water.

Color Amber.

Odor Sweetish. Solvent-like.

Vapor Pressure Not determined.

Vapor Density Not determined.

Evaporation Rate <1 compared to water

VOC (Consumer) 49.9% 3.58 (lb/gal) 429 (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 Dioxide, Carbon Monoxide and other organic materials..

Section 11. Toxicological Information

Toxicity to Animals Not available.

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
Classification: Hazardous 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:
1,2,4-Trimethylbenzene
Diethylene Glycol Monobutyl Ether
Clean Water Act (CWA) 311: Amyl Acetate
Clean air act (CAA) 112 regulated toxic substances: Diethylene Glycol Monobutyl Ether
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.