



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

Section 1. Chemical Product and Company Identification

Product name ZEPRESERVE NC
Product Use Aerosol Penetrating Oil
Product Code 0315
Date of issue 12/13/04 **Supersedes** 11/03/00

Emergency For MSDS Information:

Telephone Numbers Acuity Specialty Products Group, Inc.
 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

Printing date: 12/13/04

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
ALIPHATIC NAPHTHA; ligroin; stoddard solvent	8052-41-3	10 - 20	OSHA PEL (United States). TWA: 100 ppm 8 hour(s). ACGIH TLV (United States). TWA: 100 ppm 8 hour(s).
MINERAL SEAL OIL; mineral oil; petrolatum	64741-77-1	10 - 20	OSHA PEL (United States). : 5 mg/m ³ 8 hour(s). Form: Mist ACGIH TLV (United States). : 5 ppm 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).
2-ETHYL HEXYL ALCOHOL; 2-ethyl-1-hexanol; 2-ethylhexanol	104-76-7	5 - 15	Not established
PARAFFIN OIL; blend of heavy and light naphthenic petroleum distillate	64742-52-5	5 - 15	OSHA PEL (United States). TWA: 5 mg/m ³ 8 hour(s). Form: Mist ACGIH TLV (United States). TWA: 5 mg/m ³ 8 hour(s). Form: Mist
DIETHYLENE GLYCOL MONOBUTYL ETHER; 2-(2-butoxyethoxy)-ethanol; butyl carbitol	112-34-5	<5	Not established
1,2,4-TRIMETHYLBENZENE	95-63-6	<5	ACGIH TLV (United States). TWA: 25 ppm 8 hour(s). OSHA PEL (United States). TWA: 25 ppm 8 hour(s).

Section 3. Hazards Identification

HMIS

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, reddening, or, occasionally, blistering.

Eyes

Hazardous in case of eye contact (irritant). Direct contact may cause irritation and redness.

Inhalation

Over-exposure 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. Medical Conditions Aggravated by Overexposure: Respiratory

Ingestion

Unlikely in this form.

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.

Health	2
Fire Hazard	2
Reactivity	0
Personal Protection	B

Carcinogenic Effects

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

Chronic Effects

Absorbed through skin. Can cause central nervous system depression. Defatting to the skin. Prolonged or repeated contact may dry skin and cause irritation. The substance may be toxic to blood, kidneys, lungs, the reproductive system, liver, mucous membranes, heart, spleen, brain, skin, , central nervous system (CNS), ears, eye, lens or cornea, testes. Repeated or prolonged exposure to the substance can produce target organs damage.

See Toxicological Information (section 11)

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 contaminated skin with soap and water. 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. If affected person is conscious, give plenty of water to drink. Get medical attention immediately.

Section 5. Fire Fighting Measures**Flash Point**

Closed cup: 22.2°C (72°F).
(Tagliabue.)

Flammable Limits Not determined.

**Flammability**

FLAMMABLE. (CSMA)

Fire Hazard

FLAMMABLE LIQUID AND VAPOR. Vapor may cause flash fire. Container explosion may occur under fire conditions or when heated. Cool closed containers exposed to fire with water.

Fire-Fighting Procedures

Dry chemical, carbon dioxide, foam. 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**

Keep away from heat, sparks and flame. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Wash thoroughly after handling.

Storage

Contents under pressure. Keep away from heat, sparks and flame. Keep away from sources of ignition - No smoking. Keep away from heat and direct sunlight. Keep container tightly closed and sealed until ready for use. 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

Nitrile gloves. Neoprene 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.

Section 9. Physical and Chemical Properties**Physical State**

Liquid. (Aerosol.)

Color Amber.

pH

Not applicable.

Odor Solvent-like.

Boiling Point

Not determined.

Vapor Pressure Not determined.

Specific Gravity

0.85(Water = 1)

Vapor Density Not determined.

Solubility

Insoluble in cold water, hot water.

Evaporation Rate Not determined.

VOC (Consumer) 49.2% 3.48 lb/gal 417.48 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****Ethanol:**

ORAL (LD50): Acute: 7060 mg/kg [Rat].
DERMAL (LD50): Acute: 1970 mg/kg [Rabbit].

Diethylene Glycol Monobutyl Ether:

ORAL (LD50): Acute: 5660 mg/kg [Rat]. 2400 mg/kg [Mouse].
DERMAL (LD50): Acute: 2700 mg/kg [Rabbit].

1,2,4-Trimethylbenzene:

ORAL (LD50): Acute: 5000 mg/kg [Rat].

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,
state and local environmental control regulations.

Waste Stream

Code: D001

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.

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

SARA 313 toxic chemical notification and release reporting:

Diethylene Glycol Monobutyl Ether
1,2,4-Trimethylbenzene

Clean Water Act (CWA) 311: No products were found.

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.

State Regulations

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Naphthalene, Toluene, Benzene.

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.