



ZEP MANUFACTURING  
 COMPANY  
 Acuity Specialty Products Group, Inc.  
 P.O. BOX 2015  
 ATLANTA, GA 30301  
 1-877-1-BUY-ZEP

# Material Safety Data Sheet and Safe Handling and Disposal Information

## Section 1. Chemical Product and Company Identification

**Product name** ZEP DYNA BLUE  
**Product Use** Parts Cleaner and Degreaser  
**Product Code** 0369  
**Date of issue** 11/13/03 **Supersedes** 08/28/97

**Emergency For MSDS Information:**  
**Telephone Numbers** Acuity Specialty Products Group, Inc.  
 Compliance Services 1-877-1-BUY-ZEP

GLOUCESTER CITY SCHOOL GARAGE  
 RT 17  
 5644 GEORGE WASHINGTON MEMORIAL HWY  
 GLOUCESTER VA 23061

**For Medical Emergency:**  
 INFOTRAC  
 (877) 541-2016 Toll Free - All Calls Recorded

**For a Transportation Emergency:**  
 CHEMTREC

Printing date: 08/28/06

**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
ALIPHATIC NAPHTHA; ligroin; stoddard solvent	8052-41-3	>90	<b>OSHA PEL (United States).</b> TWA: 100 ppm 8 hour(s). <b>ACGIH TLV (United States).</b> TWA: 100 ppm 8 hour(s).
1,2,4-Trimethylbenzene	95-63-6	1-5	<b>ACGIH TLV (United States).</b> : 25 ppm <b>OSHA PEL (United States).</b> : 25 ppm
DIPROPYLENE GLYCOL METHYL ETHER; dipropylene glycol monomethyl ether	34590-94-8	1-5	<b>OSHA PEL (United States).</b> TWA: 100 ppm 8 hour(s). <b>ACGIH TLV (United States).</b> STEL: 150 ppm 15 minute(s).

## Section 3. Hazards Identification

**Acute Effects** **Routes of Entry** Dermal contact. Eye contact. Inhalation.  
**Skin** Hazardous in case of skin contact (irritant). Direct contact may cause irritation and redness.  
**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). Can cause CNS depression. Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation.  
**Ingestion** Aspiration hazard if swallowed- can enter lungs and cause damage.

### HMIS

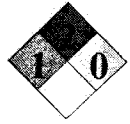
Health	2
Reactivity	0
Personal Protection	B

**Carcinogenic Effects** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.  
**Chronic Effects** The substance may be toxic to blood, kidneys, lungs, the reproductive system, liver, mucous membranes, brain, skin, eyes, central nervous system (CNS). 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. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.  
**Skin Contact** In case of contact, immediately flush skin with plenty of water. Wash clothing before reuse. 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. If vomiting occurs, keep head lower than hips to help prevent aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

**Flash Point** Closed cup: 41.1°C (106°F). (Tagliabue.) **Flammable Limits** LOWER: 0.6% UPPER: 7%

**Flammability** Combustible liquid. Avoid all possible sources of ignition (spark or flame).

**Fire Hazard** Combustible liquid. Vapor may cause flash fire. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

**Fire-Fighting Procedures** Use DRY chemicals, CO<sub>2</sub>, water spray or foam. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

**Section 6. Accidental Release Measures**

**Spill Clean up** Put on appropriate personal protective equipment (see Section 8). Absorb with an inert material and place in an appropriate waste disposal container.

**Section 7. Handling and Storage**

**Handling** Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.

**Storage** Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Protect from freezing. Avoid all possible sources of ignition (spark or flame). Keep out of the reach of children.

**Section 8. Exposure Controls, Personal Protection**

**Personal Protection**

**Eyes** Safety glasses.

**Body** Gloves. Recommended: Nitrile gloves. Rubber gloves. Butyl gloves.

**Respiratory** Wear appropriate respirator when ventilation is inadequate.

**Protective Clothing (Pictograms)**

**Section 9. Physical and Chemical Properties**

**Physical State** Liquid. **Color** Clear. Blue.

**pH** Not applicable. **Odor** Mild. Hydrocarbon.

**Boiling Point** 314 - 400 F. **Vapor Pressure** 0.3 kPa (2 mmHg) (at 20°C)

**Specific Gravity** 0.77 (Water = 1). **Vapor Density** Not determined.

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

**VOC (Consumer)** 762.08 (g/l). 99.4% 6.36 lb/gal

**Section 10. Stability and Reactivity**

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

**Incompatibility** Reactive with OXIDIZING AGENTS.

**Hazardous Polymerization** Will not occur.

**Hazardous Decomposition Products** carbon oxides (CO, CO<sub>2</sub>)

**Section 11. Toxicological Information**

**Toxicity to Animals** 1,2,4-Trimethylbenzene:

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

Dipropylene Glycol Methyl Ether:

DERMAL (LD50): Acute: >19200 mg/kg [Rabbit].

**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** Not regulated.

**DOT Classification** None. **UN number** Not regulated.

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

SARA 313 toxic chemical notification and release reporting:  
1,2,4-Trimethylbenzene

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

Clean air act (CAA) 112 regulated toxic substances: No products were found.

**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.*