



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 65

Product Use Aerosol General Purpose Cleaner

Product Code 0037

Date of issue 08/22/03 **Supersedes** 05/03/01

This product is not a registered pesticide.

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

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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
MONOETHANOLAMINE; 2-aminoethanol; MEA	141-43-5	<5	OSHA PEL (United States). TWA: 3 ppm ACGIH TLV (United States). STEL: 6 ppm Not available.
D-LIMONENE - orange distillate; citrus terpene; cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)- DIETHYLENE GLYCOL MONOBUTYL ETHER;	5989-27-5 112-34-5	<5 <5	Not available.
2-(2-butoxyethoxy)-ethanol; butyl carbitol BLEND OF ISOBUTANE, PROPANE, & n-BUTANE	75-28-5; 74-98-6; 106-97-8	5-15	ACGIH TLV (United States). TWA: 800 ppm OSHA PEL (United States). TWA: 1000 ppm

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Eye contact. Absorbed through skin. Inhalation.

Skin Hazardous in case of skin contact (irritant, sensitizer). Harmful if absorbed through the skin. Prolonged contact can cause severe irritation. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering. May cause allergic reactions to certain individuals.

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

Inhalation No data on acute toxicity of the product when inhaled.

Ingestion No data on acute toxicity of the product when ingested.

HMIS	
Health	1
Fire Hazard	1
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, liver, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organ damage.

See Toxicological Information (section 11)

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 immediately.

Skin Contact In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing 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 Do NOT induce vomiting unless directed to do so by medical personnel. 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	Not determined.	Flammable Limits	Not determined.
Flammability	Not considered to be flammable. (CSMA)		
Fire Hazard	Container explosion may occur under fire conditions or when heated. Cool closed containers exposed to fire with water.		
Fire-Fighting Procedures	Use DRY chemicals, CO ₂ , water spray (fog) or 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 Avoid contact with eyes, skin and clothing. Wash contaminated clothing before reusing.
Storage Keep away from heat and direct sunlight. 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 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.

Section 9. Physical and Chemical Properties

Physical State	Liquid. (Clear.)	Color	Amber. (Light.)
pH	Not applicable.	Odor	Citrus
Boiling Point	Not determined.	Vapor Pressure	Not determined.
Specific Gravity	1.004 (Water = 1)	Vapor Density	Not determined.
Solubility	Not determined.	Evaporation Rate	Not determined.
		VOC (Consumer)	21.1%

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

Monoethanolamine:
 ORAL (LD50): Acute: 2100 mg/kg [Rat].
 DERMAL (LD50): Acute: 1000 mg/kg [Rabbit].

d-Limonene:
 ORAL (LD50): Acute: 5600 mg/kg [Mouse]. 4400 mg/kg [Rat].
 DERMAL (LD50): Acute: >5000 mg/kg [Rabbit].

Diethylene Glycol Monobutyl Ether:
 ORAL (LD50): Acute: 2200 mg/kg [Rabbit].

Propellant; Blend of Isobutane, Propane and n-Butane
 LD50: Not available.
 LC50: 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: - (None.)
 Classification: - (Non-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: Diethylene Glycol Monobutyl Ether
 Clean Water Act (CWA) 311: No products were found.
 Clean air act (CAA) 112 regulated toxic substances: Diethylene Glycol Monobutyl Ether

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.