



**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 CONCENTRATED GLASS CLEANER

**Product Use** Concentrated Glass Cleaner

**Product Code** 1052

**Date of Issue** 08/22/03

Supersedes 05/20/99

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

**Prepared by**

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## Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol	67-63-0	20-30	ACGIH TLV (United States). TWA: 200 ppm OSHA PEL (United States). TWA: 400 ppm ACGIH/OSHA (United States). STEL: 400 ppm Not available.
TETRASODIUM ETHYLENEDIAMINE TETRAACETATE; ethylenediamine tetraacetic acid; tetrasodium salt	64-02-8	<10	

## Section 3. Hazards Identification

### Acute Effects

**Routes of Entry** Eye contact. Skin contact. Inhalation.

**Skin** Prolonged or repeated contact may dry skin and cause irritation. Non-sensitizer for skin.

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

**Inhalation** Over-exposure by inhalation may cause respiratory irritation. Prolonged exposure may cause narcotic effect.

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

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

**Chronic Effects** Defatting to the skin. Repeated exposure may cause skin dryness or cracking.

See Toxicological Information (section 11)

### HMIS

Health	1
Physical Hazard	3
Reactivity	0
Personal Protection	B

## Section 4. First Aid Measures

<b>Eye Contact</b>	Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention if irritation develops.
<b>Skin Contact</b>	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention if irritation develops.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion</b>	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

<b>Flash Point</b>	CLOSED CUP: 27.8°C (82°F). (Tagliabue.)	<b>Flammable Limits</b> LOWER: 1% UPPER: 12%
<b>Flammability</b>	Flammable in presence of open flames, sparks and static discharge, of heat.	
<b>Fire Hazard</b>	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.	
<b>Fire-Fighting Procedures</b>	Use DRY chemicals, CO2 or foam. Fire fighters should wear proper protective equipment.	



**Section 6. Accidental Release Measures**

**Spill Clean up** Eliminate all ignition sources. Put on appropriate personal protective equipment (see Section 8). For large spills like spilled material or otherwise contain material to ensure runoff does not reach a waterway. Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Section 7. Handling and Storage**

**Handling** Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Avoid breathing vapors or spray mists. Avoid contact with skin and eyes. Wash contaminated clothing before reusing.

**Storage** Store and use away from heat, sparks, open flame, or any other ignition source. Keep container tightly closed and sealed until ready for use. Keep container in a cool, well-ventilated area. Store between 40°F - 120°F. 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.

**pH** 7.0-7.5

**Boiling Point** 100°C (212°F)

**Specific Gravity** 0.97 (Water = 1)

**Solubility** Easily soluble in cold water, hot water.

**Color** Clear. Blue.

**Odor** Rose.

**Vapor Pressure** Not determined.

**Vapor Density** Not determined.

**Evaporation Rate** 1 compared to Water

**VOC (Consumer)** 20.0%

**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**

**Isopropyl Alcohol:**

ORAL (LD50): Acute: 5045 mg/kg [Rat].

**Tetrasodium Ethylenediamine Tetraacetate:**

ORAL (LD50): Acute: 3030 mg/kg [Rat].

**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** Not applicable.

**DOT Classification** Not a DOT controlled material (United States).

**UN number** Not regulated.

**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.

**State Regulations** California prop. 65: 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.*