



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

Material Safety Data Sheet

and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name ZEP WEED DEFEAT
Product Use Herbicide.
Product Code 1371
Date of issue 11/04/04 **Supersedes** 11/20/01
This product is a registered pesticide. Number :524-370-1270
Emergency For MSDS Information:
Telephone Numbers 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

Printing date: 11/04/04

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
THE ISOPROPYLAMINE SALT OF N-(PHOSPHONOMETHYL) GLYCINE; GLYPHOSATE	38641-94-0	18	Not established
PROPRIETARY SURFACTANT	61791-26-2	5 - 10	Not established

Section 3. Hazards Identification

Acute Effects **Routes of Entry** Dermal contact. Inhalation.
Skin Non-irritating under conditions of use. Prolonged or repeated contact may dry skin and cause irritation.
Eyes Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.
Inhalation Non-irritating to the respiratory system.
Ingestion Harmful if swallowed. Can cause gastrointestinal disturbances.

HMIS

Health	1
Fire Hazard	0
Reactivity	0
Personal Protection	B

Carcinogenic Effects Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.
Chronic Effects Repeated or prolonged exposure is not known to aggravate medical condition.

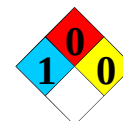
See Toxicological Information (section 11)

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. Cold water may be used. Get medical attention.
Skin Contact In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. 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. Get medical attention immediately.

Section 5. Fire Fighting Measures

Flash Point Not applicable. **Flammable Limits** Not applicable.
Flammability Not applicable.
Fire Hazard Do not mix, store or apply this product or spray solutions in galvanized steel or unlined steel containers. This product or spray solutions of this product can react with such containers to produce hydrogen gas which may form a highly combustible gas mixture.
Fire-Fighting Procedures Use an extinguishing agent suitable for surrounding fires. Do not release runoff from fire to sewers or waterways.



Section 6. Accidental Release Measures

Spill Clean up Put on appropriate personal protective equipment (see Section 8). Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Section 7. Handling and Storage

Handling Avoid contact with eyes, skin and clothing. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Apply this product only as specified on the label. Observe label precautions. Do not apply directly to water or wetlands. Wash thoroughly after handling. Do not reuse container.

Storage Keep container tightly closed and sealed until ready to use. Keep away from food, drink and animal feeding stuffs. Stainless steel may be used, however do not use or store in galvanized or unlined steel containers. Store above 40°F and below 120°F. Empty containers retain product residue and can be hazardous. Keep out of the reach of children.

Section 8. Exposure Controls, Personal Protection**Personal Protection****Protective Clothing (Pictograms)**

Eyes Safety glasses.

Body For prolonged or repeated handling, use gloves. Wear long sleeves and other protective clothing to prevent repeated or prolonged skin contact.



Respiratory A respirator is not needed under normal and intended conditions of product use.

Section 9. Physical and Chemical Properties

Physical State Liquid. (Viscous liquid.)

Color Amber. (Light.)

pH 4.0 - 5.0

Odor Mild. Amine like.

Boiling Point Not determined.

Vapor Pressure Not determined.

Specific Gravity 1.07 (Water = 1)

Vapor Density Not determined.

Solubility Soluble in cold water, hot water.

Evaporation Rate Not determined.

VOC (Consumer) 0 (g/l).

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Slightly reactive to reactive with alkalis. Do not store in galvanized or unlined steel containers.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products Carbon oxides (CO, CO₂) and nitrogen oxides (NO, NO₂...)

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 Waste must be disposed of in accordance with federal, state and local environmental control regulations. **Waste Stream** Non-hazardous waste

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name Not regulated

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.