



ZEP Manufacturing Company
 Acuity Specialty Products Group, Inc.
 P.O. Box 2015
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 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 Zep Total Control Double Shot II
Product Use Insecticide.
Product Code 0249
Date of issue 04/18/06 **Supersedes** 02/12/04

This product is a registered pesticide. Number: 1270-253

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: 04/21/06

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
HYDROCARBON PROPELLANT; blend of propane & isobutane	75-28-5; 74-98-6	5 - 15	ACGIH TLV / OSHA PEL (United States). Notes: Propane TWA: 1000 ppm 8 hour(s). TWA: 300 ppm Not established
ISOPARAFFINIC SOLVENT; hydrotreated light distillate (petroleum)	64742-47-8	5 - 15	ACGIH TLV (United States). : 5 mg/m ³ OSHA PEL (United States). : 5 mg/m ³ Not established
PIPERONYL BUTOXIDE; alpha-(2-(2-butoxyethoxy)ethoxy)-4,5-(methylenedioxy)-2-propyl-toluene	51-03-6	0.50	
PYROCIDINE (R) 175; Pyrethrins	8003-34-7	0.10	
Permethrin	52645-53-1	0.20	Not established

Section 3. Hazards Identification

Acute Effects

Routes of Entry Dermal contact. Eye contact Inhalation.

Skin May cause slight irritation in sensitive individuals. Prolonged or repeated contact may dry skin and cause irritation.

Eyes Causes eye irritation. Inflammation of the eye is characterized by redness, watering, and itching.

Inhalation Avoid inhalation of vapors and spray mist. Over-exposure by inhalation may cause respiratory irritation.

Ingestion DO NOT swallow. Aspiration hazard if swallowed- can enter lungs and cause damage.

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.

HMIS

Health	2
Fire Hazard	0
Reactivity	0
Personal Protection	A

Carcinogenic Effects

Classified C (Possible for human.) by EPA [Piperonyl Butoxide].

Chronic Effects

Inhalation of high concentrations of vapour may affect the central nervous system. Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation. Prolonged or repeated contact may dry skin and cause irritation.

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. 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. 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 Non-flammable. (CSMA Method)

Fire Hazard CONTENTS UNDER PRESSURE.

Fire-Fighting Procedures Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. Do not release runoff from fire to sewers or waterways.

**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. Avoid breathing vapors or spray mists. Keep container closed. Keep away from heat, sparks and flame. Use only with adequate ventilation. Wash thoroughly after handling. Observe label precautions.

Storage CONTENTS UNDER PRESSURE. Store and use away from heat, sparks, open flame, or any other ignition source. Do not puncture or incinerate container. Keep away from food, drink and animal feeding stuffs. Keep container in a cool, well-ventilated area. Store between 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

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

Eyes Safety glasses. 

Body No protective gloves are required under normal conditions of use.

Respiratory Use with adequate ventilation. A respirator is not needed under normal and intended conditions of product use.

Section 9. Physical and Chemical Properties

Physical State	Liquid. (Aerosol.)	Color	Clear to white. Emulsion.
pH	Not applicable	Odor	Characteristic.
Boiling Point	100°C (212°F)	Vapor Pressure	Not determined.
Specific Gravity	0.961 (Water = 1)	Vapor Density	Not determined.
Solubility	Emulsifies in water.	Evaporation Rate	Not determined.
		VOC (Consumer)	142.85 (g/l). 1.19 lbs/gal (14.89%)

Section 10. Stability and Reactivity

Stability and Reactivity The product is stable.

Incompatibility Slightly reactive to reactive with oxidizing agents, acids. Keep away from heat and direct sunlight.

Hazardous Polymerization Will not occur.

Hazardous Decomposition Products carbon oxides (CO, CO₂)

Section 11. Toxicological Information

Toxicity to Animals **Isoparaffinic Solvent; Hydrotreated light distillate (petroleum):**
 DERMAL (LD50): Acute: 3000 mg/kg [Rabbit].
Piperonyl Butoxide:
 ORAL (LD50): Acute: 4300 mg/kg [Rat].
 DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].

Section 12. Ecological Information

Ecotoxicity Toxic to aquatic organisms.

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** Non-regulated waste

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name Consumer Commodity

DOT Classification ORM-D **UN number** Not available.

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:

Permethrin

Piperonyl Butoxide

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

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

All Components of this product are listed or exempt from listing on TSCA inventory.

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.