

Material Safety Data Sheet

and Safe Handling and Disposal Information

Section 1. Chemical Product and Company Identification

Product name Zep Flush 'N Kill DM

Product Use Insecticide.
Product Code 0182

Date of issue 08/26/04 Supersedes 08/28/02

This product is a registered pesticide. Number: 1270-255

Emergency For MSDS Information:

Telephone Acuity Specialty Products Group, Inc.

Numbers 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

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Health

ire Hazard

Personal Protection

Reactivity

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
BLEND OF ISOBUTANE, PROPANE, & n-BUTANE	75-28-5;	1-10	ACGIH TLV (United States).
	74-98-6;		TWA: 800 ppm 8 hour(s).
	106-97-8		OSHA PEL (United States).
			TWA: 1000 ppm 8 hour(s).
ISOPARAFFINIC SOLVENT; petroleum naphtha, light	64741-66-8	1-5	Supplier Suggested TLV (United
alkylate			States).
			TWA: 1400 mg/m ³ 8 hour(s).
S-Bioallethrin	28434-00-6	0.10	Not established
Ultratec AC; Deltamethrin;	52918-63-5	0.02	ACGIH TLV (United States).
(s)-cyano-3-phenoxybenzyl-(1R,			STEL: 100 mg/m ³ 15 minute(s).
3R)-3(2,2-dibromovinyl)-2,2-dimethyl-cyclopropanecarbox			TWA: 45 mg/m ³ 8 hour(s).

Section 3. Hazards Identification

Printing date: 08/30/04

Acute Effects Routes of Entry Dermal contact. Eye contact. Inhalation.

Skin Hazardous in case of skin contact (irritant). May cause allergic skin reactions with repeated

exposure. 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 Hazardous in case of inhalation. Avoid breathing vapors or spray mists. Over-exposure by

inhalation may cause respiratory irritation.

Ingestion Unlikely in this form.

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

Chronic Effects 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. 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. 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 Non-flammable. (CSMA Method)

Fire Hazard CONTENTS UNDER PRESSURE. Keep away from heat, sparks and flame. Container

explosion may occur under fire conditions or when heated.

Fire-Fighting Procedures Use DRY chemicals, CO₂, water spray or foam. 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. Do not ingest. Avoid breathing vapors or spray mists. Keep container

closed. Use only with adequate ventilation. Wash thoroughly after handling. Do not use in and around electrical

equipment due to the possibility of shock hazard. Observe label precautions.

Storage CONTENTS UNDER PRESSURE. Do not puncture or incinerate. Keep away from heat and flame. Keep container

in a cool, well-ventilated area. 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

Respiratory Avoid breathing vapors or spray mists. 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.

pH Not determined. Odor Characteristic. (Slight.)

Boiling Point 100°C (212°F)Vapor Pressure Not determined.Specific Gravity0.989 (Water = 1)Vapor Density Not determined.

Solubility Soluble in cold water, hot water. **Evaporation Rate** Not determined.

VOC (Consumer) 86.88 (g/l). 0.72 lb/gal 8.80%

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, CO₂)

Section 11. Toxicological Information

Toxicity to Animals S-Bioallethrin:

ORAL (LD50): Acute: 412.9 mg/kg [Rat Female.]. 574.5 mg/kg [Rat Male.].

DERMAL (LD50): Acute: >2000 mg/kg [Rabbit].

Section 12. Ecological Information

Ecotoxicity Toxic to aquatic organisms. Keep out of waterways. Toxic to bees. Do not use product when weather

conditions allow drift from areas treated.

Biodegradable/OECD Not available.

Section 13. Disposal Considerations

Waste Waste must be disposed of in accordance with federal, Waste Stream Non-regulated waste

Information state and local environmental control regulations.

Consult your local or regional authorities.

Section 14. Transport Information

Proper shipping name Consumer Commodity

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

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.

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.