

MATERIAL SAFETY DATA SHEET

CORNBELT TRIFLURALIN EC

Van Diest Supply Company
P.O. Box 610
Webster City, IA 50595
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FOR CHEMICAL EMERGENCY
SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC - DAY OR NIGHT
1-800-424-9300

PRODUCT IDENTIFICATION

Common Name: Cornbelt Trifluralin EC

EPA Reg. No: 1812-355-11773

INGREDIENTS

		<u>TLV (ACGIH)</u>
Trifluralin	43.8%	Not Established
Naphthalene	<6.0%	75 mg/m3

Ingredients not precisely identified are proprietary or nonhazardous. Values are not product specifications.

SHIPPING INFORMATION

Weed Killing Compound, NOI

SARA HAZARD NOTIFICATION/REPORTING

Product Description: Mixture; Liquid

Contains:

Trifluralin (CAS # 1582-09-8)

Naphthalene (CAS # 91-20-3)

Physical & Health Hazard Categories, 40CFR Part 370:

Immediate (Acute)

Delayed (Chronic)

Threshold Planning Quantity: 10,000 lbs.

Reportable Quantity: N/A

NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS (NFPA 704)

(4=Extreme; 3=High; 2=Moderate; 1=Slight; 0=Insignificant)

Health - 2

Fire - 0

Reactivity - 0

HAZARDOUS CHEMICALS UNDER OSHA HAZARD COMMUNICATION STANDARD**Hazard Summary (As Defined by OSHA Hazard Comm. Standard, 29CFR 1910.1200):****Physical Hazards:** None**Health Hazards:** Inhalation, Irritant (eye), Sensitizer (skin).

Read the entire MSDS for a more thorough evaluation of the hazards.

WARNING STATEMENTS

Avoid freezing. Store above 40 degrees F. If this product has been frozen, poor weed control may result. Do not store near feed, food, or within the reach of children. Do not store near heat or open flame. Do not contaminate water, food, or feed by storage or disposal.

PRECAUTIONARY MEASURES

Ventilation: This material should be handled in a well ventilated area. Where adequate ventilation is not available, wear a NIOSH/MSHA respirator approved for organic solvents.

Protective Clothing: Wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance. Use impervious gloves, arm covers and apron.

Eye Protection: Wear splash-proof safety goggles to prevent contact with this substance.

HEALTH HAZARDS AND FIRST AID**Inhalation:**

Trifluralin - May cause irritation.

Naphthalene - High vapor/aerosol concentrations (greater than approximately 1000 ppm) are irritating to the eyes and the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

First Aid: Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial respiration. Keep person warm and at rest. Get medical attention immediately.

Skin Contact:

Trifluralin - Causes slight to moderate irritation. Repeated contact can sensitize the skin to this material.

Naphthalene - Frequent or prolonged contact may irritate and cause dermatitis. Low order of toxicity. Skin contact may aggravate an existing dermatitis condition.

First Aid: Remove contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water until no evidence of chemical remains (approximately 15-20 minutes). Get medical attention immediately.

Eye Contact:

Trifluralin - Causes irritation with possible tissue damage and corneal opacification.

Naphthalene - Slightly irritating, but does not injure eye tissue.

First Aid: Wash eyes immediately with large amounts of water, occasionally lifting upper and lower lids, until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.

Ingestion:

Trifluralin - Oral LD50 (rat) >10,000 mg/kg.

Naphthalene - Ingestion of solvent is toxic and irritating to the stomach. Vomiting may cause aspiration into the lungs resulting in pulmonary edema which may be fatal.

First Aid: Call a physician immediately. This product contains an aromatic hydrocarbon and can be extremely harmful if swallowed. If this happens and the patient is conscious, immediately administer activated charcoal (6-8 heaping teaspoonfuls) with water. Do not give anything by mouth to an unconscious person. Gastric lavage with a cuffed endotracheal tube to prevent aspiration should be completed within 15 minutes. In the absence of depression, convulsions, or impaired gag reflex, vomiting can be induced with a blunt instrument or finger. Make certain vomitus is not inhaled by raising hips higher than head. If patient is unconscious, do not induce vomiting.

MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY OVEREXPOSURE

Individuals with known hypersensitivity to trifluralin should not be exposed. Individuals with allergic history or pre-existing dermatitis should use extra care in handling trifluralin.

FIRE PROTECTION INFORMATION

Flash Point (And Method): 222°F (Pensky-Martens closed cup)

Autoignition Temperature: No Data

Flammable Limits (STP): No Data

Extinguishing Media: Dry chemical, carbon dioxide, water spray or foam

Special Fire Fighting Procedures:

Self-contained breathing apparatus with full facepiece operated in pressure demand or other positive pressure mode.

(OR)

Supplied-air respirator with full facepiece operated in pressure-demand or other positive pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive pressure mode.

Unusual Fire and Explosion Hazards:

Classified as a Class IIIB combustible liquid according to NFPA Code 30. Closed containers may rupture due to pressure build-up when subjected to excessive heat or fire.

PHYSICAL DATA

Boiling Point: No Data

Melting Point: N/A

Vapor Pressure (mmHg at 20°C): No Data

Vapor Density (Air=1): No Data

Solubility in Water: Disperses to form an emulsion

Density: 9.34 lb./gal.

Percent Volatile by Volume: No Data

Appearance and Odor: Clear, deep orange liquid with an aromatic odor

REACTIVITY DATA

Stability: Stable under normal conditions

Incompatibility (Materials to Avoid): None known

Hazardous Decomposition Products: Thermal decomposition may release toxic and/or hazardous gases

Hazardous Polymerization: Will Not Occur

SPILL, LEAK & DISPOSAL INFORMATION**Steps To Be Taken in Case Material is Released or Spilled:**

Make sure all personnel involved in spill cleanup follow good industrial hygiene practices.

Use absorbent materials to contain liquids and dispose as waste. Do not contaminate any body of water. Small spills should be cleaned up with a suitable absorbent material. Prohibit use of hot or sparking equipment in immediate area. Place material and damaged unusable containers in a landfill approved for pesticides in accordance with applicable regulations. All personnel should wash thoroughly after cleanup is completed.

Large spills due to traffic accidents, etc., should be reported immediately to CHEMTREC and Van Diest Supply Co. for assistance. Prevent spilled material from flowing onto adjacent land or into streams, ponds or lakes.

Disposal Method:

Do not reuse container. Disposal of material, wash water, spill residue, and container must be by methods consistent with local, state and federal regulations.

ADDITIONAL INFORMATION

Prepared By: Van Diest Supply Co.

Date Prepared: 1-17-91

Date Revised: 3-99

The information, data, and recommendations in this material safety data sheet relate only to the specific material designated herein and do not relate to use in combination with any other material or in any process. The information, data, and recommendations set forth herein are believed by Van Diest Supply Co. to be accurate. Van Diest Supply Co. makes no warranties, either expressed or implied, with respect thereto and assumes no liability in connection with any use of such information, data and recommendations.

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