

MATERIAL SAFETY DATA SHEET

CORNBELT 4LB. LO VOL ESTER

Van Diest Supply Company
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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 4Lb. Lo Vol Ester
EPA Reg. No.: 11773-3

INGREDIENTS

		<u>OSHA PEL</u>	<u>TLV (ACGIH)</u>
2,4-Dichlorophenoxyacetic Acid, 2-Ethylhexyl Ester	66.0%	N/A	10mg/m3
Inert Ingredients	34.0%	N/A	10mg/m3

NATIONAL FIRE PROTECTION STANDARDS (NFPA 704)

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

Health - 2
Fire - 2
Reactivity - 0

HAZARDOUS CHEMICALS UNDER OSHA HAZARD COMMUNICATION STANDARD

Hazard Summary (As Defined by OSHA Hazard Comm. Standard, 29CFR 1910.1200):

Physical Hazards: Combustible liquid

Health Hazards: Considered harmful if swallowed. Nausea and/or vomiting and abdominal cramps and/or diarrhea.

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

WARNING STATEMENTS

Keep out of reach of children. Avoid contact with eyes and skin. Provide eye fountain and washing facilities near work area. Do not store near food, drugs, fertilizer, and seeds. Store to avoid cross-contamination with other pesticides. Keep away from open flame.

PRECAUTIONARY MEASURES

Ventilation: Recommend control of vapors to maintain exposure below the ACGIH TLV of 10mg/m3.

Respiratory Protection: None likely to be needed during anticipated operations. NIOSH/MSHA approved organic-type respirator required in absence of proper environmental control.

Protective Clothing: Clean, protective clothing. See next section.

Eye Protection: Safety glasses with side shields.

PERSONAL PROTECTIVE EQUIPMENT

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- *Long-sleeved shirt and long pants
- *Chemical-resistant gloves, such as Barrier Laminate or Nitrile Rubber or Neoprene Rubber or Viton
- *Shoes plus socks
- *Protective eyewear
- *For containers over 1 gallon but less than 5 gallons: Mixers and loaders who do not use a mechanical system (probe and pump) to transfer the contents of this container must wear coveralls or a chemical-resistant apron in addition to the other required PPE.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. After each day of use, clothing or PPE must not be reused until it has been cleaned.

HEALTH HAZARDS AND FIRST AID

Eyes: Moderate irritation. No corneal injury likely.

First Aid: Irrigation of the eye immediately with water for 15 minutes is good safety practice.

Skin Absorption: LD₅₀ (rabbits) > 4g/kg. Repeated skin exposure may result in absorption of harmful amounts.

Skin Contact: Prolonged contact causes moderate irritation. Repeated contact causes drying and defatting or burn.

First Aid: Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing. Wash clothing before reuse.

Ingestion: Moderate to low single dose oral toxicity. LD₅₀ rat in range of 500 to 2,000mg/kg. May be harmful if swallowed.

First Aid: Do not induce vomiting. Call a physician and/or transport to emergency facility.

Inhalation: No guide for control of mixture established. ACGIH TLV for 2,4-D is 10mg/m³.

First Aid: Remove to fresh air if effects occur. Consult medical personnel.

Systemic & Other Effects: Nausea if swallowed.

Cancer Information: Did not cause cancer in laboratory animals. Various animal cancer tests have shown no reliable positive association between 2,4-D exposure and cancer. Epidemiology studies on herbicide use have been both positive and negative, with the majority being negative.

Teratology: Birth defects are unlikely. Excessive dietary levels of 2,4-D acid in laboratory animals have caused decreased weight and survival in offspring.

NOTES TO PHYSICIAN

Eyes: May cause irritation. Stain for evidence of corneal injury.

Skin: May cause irritation. Chronic exposure may cause defatting type of dermatitis. Treat as any contact dermatitis.

Respiratory: May cause irritation. Dusts, vapors, or mists may be toxic if produced. Administer oxygen if available. Bronchodilators, expectorants, and antitussives may be of help. Chronic exposure may produce systemic injury.

Oral: Low in toxicity. May cause chemical pneumonitis if aspirated into lungs. If lavage is performed, suggest endotracheal and/or esophagoscopy control.

Systemic: No specific antidote. Treatment based on sound judgment of physician and the individual reactions of the patient. Consult standard literature.

FIRE PROTECTION INFORMATION

Flash Point: 155 °F; 68 °C

Flammable Limits in Air % by Volume: Lower N/A; Upper N/A

Auto Ignition Temperature: N/A

Extinguishing Media: Water fog, foam, carbon dioxide, dry chemical

Special Fire Fighting Procedures: Use positive-pressure breathing apparatus. Noxious fumes created under fire conditions. Contain water from fire fighting to prevent entry to water supplies.

Unusual Fire and Explosion Hazards: None known

PHYSICAL DATA

Boiling Point: 300 °F; 150 °C

Specific Gravity (H₂O=1): 1.035

Vapor Pressure (psi): 6mmHg @ 20 °C

Percent Volatile by Volume: 27-33% (Kerosene)

Vapor Density (Air=1): N/A

Evaporation Rate: N/A

Solubility in Water: Emulsifiable

Reactivity in Water: N/A

Appearance and Odor: Amber liquid with phenolic odor

REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Temperatures at or above flashpoint

Incompatibility (Materials to Avoid): Acid, base, oxidizing material

Hazardous Decomposition Products: Hydrogen Chloride under fire conditions

Hazardous Polymerization: Will Not Occur

Conditions to Avoid: N/A

Other: None

HANDLING AND STORAGE

Handling: Keep out of reach of children, unauthorized persons, and animals. Harmful if swallowed or absorbed through skin. May cause allergic skin reaction. Do not get in eyes, on skin, or on clothing. Avoid breathing vapors or spray mist. Users should wash hands before eating, smoking, drinking, or using the toilet.

Storage: Keep container tightly closed when not in use. See product label for handling/storage precautions relative to the end use of this product.

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

Absorb spills with inert dry material such as sand or sawdust. Dike area in case of large spills. Do not use water for cleanup.

Disposal Method: Wastes may be considered hazardous. Follow all local, state and federal regulations.

DOT INFORMATION

For Containers with Less than 100 Pounds of 2,4-D:

Proper Shipping Name: *Compounds, Tree or Weed Killing, Liquid, N.O.I.*

For All Other Containers:

Proper Shipping Name: *RQ, Environmentally Hazardous Substance, Liquid, N.O.S.
(Contains 2,4-D Ester), 9, UN3082, PGIII, ERG#31*

Hazard Class: 9

Packing Group: III

Label: Non-Bulk -- Class 9

Bulk -- Class 9 Placard with UN3082

SARA HAZARD NOTIFICATION/REPORTING

Product Description: Mixture; Liquid

311/312 Hazard Categories:

Acute (immediate)

Delayed (Chronic)

Fire

313 Reportable Ingredients: 2,4-D, 2-EHE (66.0%)
(CAS # 1928-43-4)

Reportable Quantity: 142 lbs

ADDITIONAL INFORMATION

Prepared By: Van Diest Supply Co.

Date Prepared: 11-85

Date Revised: 8-2007

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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