

MATERIAL SAFETY DATA SHEET

CORNBELT 6LB. LO VOL ESTER

Van Diest Supply Company
P.O. Box 610
Webster City, IA 50595
515-832-2366

FOR CHEMICAL EMERGENCY
SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT
CALL CHEMTREC - DAY OR NIGHT
1-800-424-9300

PRODUCT IDENTIFICATION

Common Name: Cornbelt 6Lb. Lo Vol Ester
EPA Reg. No: 11773-4

INGREDIENTS

		<u>OSHA PEL</u>	<u>TLV (ACGIH)</u>
2,4-Dichlorophenoxyacetic Acid, 2-Ethylhexyl Ester	87.7%	N/A	10 mg/m ³
Inert Ingredients	12.3%		

NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS (NFPA 704)

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

Health - 2

Fire - 1

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: Considered harmful if swallowed; may cause 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 away from children. Do not get in eyes, on skin or on clothing. Do not store near fertilizers, seeds, insecticides or fungicides. Do not contaminate irrigation ditches or domestic water supplies.

PRECAUTIONARY STATEMENTS**CAUTION**

Hazards to Humans (and Domestic 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.

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

Inhalation: No TLV suggested. Very low in volatility - not likely a problem.

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

Skin Contact: May cause irritation.

First Aid: Prolonged exposure may cause skin irritation, even a burn. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts. The LD₅₀ for skin absorption in rabbits is >2,000 mg/kg. May cause moderate irritation. Treat as any contact dermatitis. If burn is present, treat as any thermal burn.

Eye Contact: Slightly irritating.

First Aid: Irrigation of the eye immediately with water for fifteen minutes is good safety practice. May cause mild irritation. Stain for evidence of corneal injury.

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

First Aid: If swallowed, DO NOT induce vomiting unless instructed to do so by a doctor. Get medical attention. Contains petroleum distillate. Note to Physician: May cause chemical pneumonitis if aspirated. If lavage is performed, suggest endotracheal and/or esophagoscopy control. Never give anything by mouth to an unconscious person.

Skin Absorption: Repeated skin exposure may result in absorption of harmful amounts.

Systemic & Other Effects: In animals, effects have been reported on the gastrointestinal tract, kidney, liver, and muscular system. Observations in animals include gastrointestinal effects.

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.

MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY OVEREXPOSURE

Nausea and/or vomiting and abdominal cramps and/or diarrhea.

FIRE PROTECTION INFORMATION

Flash Point: 259 °F

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: Self-contained air supply. Noxious fumes 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 °C

Specific Gravity (H2O=1): 1.138

Vapor Pressure (psi): 1 mmHG @ 20 °C

Percent Volatile By Volume: NIL @ 25 °C

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:** Extremely high temperatures**Incompatibility (Materials to Avoid):** Acid, base, oxidizing material**Hazardous Decomposition Products:** Noxious fumes under fire conditions. Hydrogen chloride and others.**Hazardous Polymerization:** Will Not Occur**Conditions to Avoid:** N/A**Other:** N/A**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 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)

313 Reportable Ingredients: 2,4-D, 2-EHE (87.7%)
(CAS # 1928-43-4)**Reportable Quantity:** 106 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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