

## **MATERIAL SAFETY DATA SHEET**

### **CORNBELT 4LB. AMINE**

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 4Lb. Amine  
**EPA Reg. No.:** 11773-2

### **INGREDIENTS**

2,4-Dichlorophenoxyacetic Acid	46.3%
Dimethylamine Salt	
Inert Ingredients	53.7%

### **OSHA PEL**

10mg/m<sup>3</sup>

### **TLV (ACGIH)**

10mg/m<sup>3</sup>

### **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:** Causes irreversible eye damage and skin irritation. Harmful if swallowed. May cause weakness, lethargy and lack of appetite.

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 MEASURES**

**Ventilation:** Sufficient to minimize mists if generated.

**Protective Clothing:** Long-sleeved shirt and long pants, waterproof gloves, shoes plus socks.

**Eye Protection:** Protective eyewear. Eye fountain and washing facilities near work area.

**Respiratory Protection:** None likely to be required. If used, needs to be NIOSH/MSHA approved respiratory equipment.

### **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 guide for control of mixture established. ACGIH TLV for 2,4-D is 10mg/m<sup>3</sup>.

**First Aid:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**Skin Absorption:** LD<sub>50</sub> rabbit greater than 2,000mg/kg; low in toxicity by this route.

**Skin Contact:** Prolonged contact: slight irritation; repeated contact: moderate irritation with a superficial burn, especially if confined.

**First Aid:** In case of contact, immediately flush skin with plenty of water for at least fifteen minutes while removing contaminated clothing. Call a physician. Wash clothing before reuse. Destroy contaminated shoes.

**Eye Contact:** May cause severe pain, corneal injury, and irritation with possible permanent impairment of vision.

**First Aid:** Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention promptly.

**Ingestion:** Moderate to low single dose toxicity; LD<sub>50</sub> rats 0.5-2.0 g/kg.

**First Aid:** Promptly drink a large quantity of milk, egg whites, gelatin solution or, if these are not available, drink large quantities of water. Do not induce vomiting unless instructed to do so by a physician. Never give anything by mouth to an unconscious person. Avoid alcohol. Call a physician.

**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 severe irritation. May cause corneal injury or burn. Stain for evidence of corneal injury. If cornea is burned, instill antibiotic steroid preparation frequently. Consult ophthalmologist.

**Skin:** May cause moderate irritation or burn to covered skin. Treat as any contact dermatitis. If burn is present, treat as any thermal burn.

**Respiratory:** No effect expected.

**Oral:** Moderately toxic. May result in burns/ulceration of the mouth, stomach, and lower GI tract with subsequent stricture. Aspiration of vomitus may cause lung injury. Suggest endotracheal/esophageal control if lavage is done.

**Systemic:** Human effects not established. No specific antidote. Treatment based on sound judgment of physician and individual reactions of the patient.

**FIRE PROTECTION INFORMATION**

**Flash Point:** 190 °F; 88 °C

**Flammable Limits in Air % By Volume:** Lower Not Determined; Upper Not Determined

**Auto Ignition Temperature:** N/A

**Extinguishing Media:** Foam, carbon dioxide, dry chemical

**Special Fire Fighting Procedures:** Positive-pressure breathing equipment (air supply).  
Noxious fumes produced under fire conditions.

**Unusual Fire and Explosion Hazards:** Hydrogen chloride, nitrogen oxide under fire conditions.

**PHYSICAL DATA**

**Boiling Point:** Above 212 °F; 100 °C

**Specific Gravity (H<sub>2</sub>O=1):** 1.175 @ 68 °F

**Vapor Pressure (psi):** 16mmHg @ 20 °C

**Percent Volatile by Volume:** 50% @ 100 °C

**Vapor Density (Air=1):** N/A

**Evaporation Rate:** N/A

**Solubility in Water:** Yes

**Reactivity in Water:** N/A

**Appearance and Odor:** Brown liquid, amine odor

**REACTIVITY DATA**

**Stability:** Stable

**Conditions to Avoid:** Excessive heat

**Incompatibility (Materials to Avoid):** Acids and oxidizing agents.

**Hazardous Decomposition Products:** Hydrogen chloride, nitrogen oxide under fire conditions

**Hazardous Polymerization:** Will Not Occur

**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. This product may be stored in unheated buildings. If exposed to temperatures below freezing, product should be warmed to at least 40°F and mixed thoroughly before using. 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 material such as sand, sawdust, or clay. Dike area in case of large spills. Do not use water to clean up.

**Disposal Method:** Wastes may be considered hazardous. Dispose of in accordance with 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-Dichlorophenoxyacetic Acid, Dimethylamine  
Salt - - 46.3%), 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

Contains 2,4-Dichlorophenoxyacetic Acid, Dimethylamine Salt (CAS # 2008-39-1)

**Physical & Health Hazard Categories, 40CFR Part 370:**

Immediate (Acute)

Delayed (Chronic)

Fire

**Threshold Planning Quantity:** 10,000 lbs.

**Reportable Quantity:** 216 lbs.

**ADDITIONAL INFORMATION**

Prepared By: Van Diest Supply Co.

Date Prepared: 11-85

Date Revised: 5-2005

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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