

TREE TECH[®] DICAMBA

MATERIAL SAFETY DATA SHEET

Florida Silvics, Inc. (dba Tree Tech Microinjection Systems)
950 S.E. 215th Ave.
Morriston, FL 32668 In case of emergency call 1-800-622-2831

I. MATERIAL IDENTIFICATION

Product Name: **TREE TECH[®] DICAMBA** **EPA Registration # 64014-12**

Active Ingredient (% w/w): Dimethylamine salt of dicamba (3,6-Dichloro-o-anisic acid) 13.3%

Chemical Name: Dicamba
Chemical Class: Herbicide
EPA Signal Word: **Caution**

CAUTION - HARMFUL IF SWALLOWED
- AVOID CONTACT WITH EYES, SKIN OR CLOTHING
- AVOID BREATHING MIST OR VAPOR
- KEEP OUT OF REACH OF CHILDREN

II. HAZARDOUS INGREDIENTS

<u>Component</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS RECOMMENDED</u>	<u>Percent (%)</u>
Dimethylamine salt of dicamba CAS# 2300-66-5	NA	NA	NA	13.3
Dimethylamine salt of dicamba-related acids	NA	NA	NA	3.3

Ethylene glycol	50 ppm	50 ppm	NA	30.0
Water and Sequestering agents	NA	NA	NA	53.4

III. FIRST AID PROCEDURES

Dicamba is a possible eye irritant. If poisoning is suspected, immediately contact a physician, the nearest hospital, or the nearest Poison Control Center. Tell the person contacted the symptoms, complete product name, and the type and amount of exposure.

INGESTION: If swallowed, drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. If possible, contact a physician, Poison Control Center, or emergency center before inducing vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. Take person and product container to the nearest emergency treatment center.

EYE: Flush with water for at least 15 minutes. Get medical attention if irritation persists.

INHALATION: If inhaled, move victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

SKIN CONTACT: If on skin, remove contaminated clothing, wash with plenty of soap and water. Wash contaminated clothing before reuse. Get medical attention if irritation persists.

NOTE TO PHYSICIAN: Treat symptomatically.

IV. IMMEDIATE HEALTH EFFECTS

EYE CONTACT: Moderate eye irritation.

SKIN IRRITATION: Non-irritating.

DERMAL TOXICITY: If absorbed through the skin, this substance is considered practically non-toxic to internal organs.

RESPIRATORY/INHALATION: If inhaled, this substance is considered practically non-toxic to internal organs.

V. PROTECTIVE EQUIPMENT

EYE PROTECTION: Do not get this material in your eyes. Eye contact can be avoided by wearing chemical goggles.

SKIN PROTECTION: No special skin protection is usually necessary. Avoid prolonged or frequently repeated skin contact with this material. Skin contact can be minimized by wearing protective clothing.

RESPIRATORY PROTECTION: No special respiratory protection is normally required. However, if operating conditions create airborne concentrations which exceed the recommended exposure standards the use of an approved respirator is required.

VENTILATOR: Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

VI. FIRE PROTECTION

FLASH POINT: Does not flash

AUTOIGNITION: n/d/a

FLAMMABILITY LIMITS: (% by volume in air): Lower:n/d/a Upper: n/d/a

EXTINGUISHING MEDIA: Water spray, foam, dry chemical, and CO₂

NFPA RATINGS: Health 2; Flammability 0; Reactivity 0;

HMIS RATINGS: Health 2; Flammability 0; Reactivity 0, Other n/d/a:

(Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association or, if applicable, the National Paint and Coating Association, and do not necessarily reflect the hazard evaluation of the Chevron Environmental Health Center. Read the entire document and label before using this product.

FIRE FIGHTING PROCEDURES:

Products of combustion from fires involving this material may be toxic. Avoid breathing smoke and mists. Avoid personnel and equipment contact with fallout and runoff. Minimize the amount of water used for fire fighting. Do not enter any enclosed area without full protective equipment, including self-contained breathing equipment. Contain and isolate runoff and debris for proper disposal. Decontaminate personal protective equipment and fire fighting equipment before reuse. Read the entire document.

COMBUSTION PRODUCTS:

Normal combustion may yield steam, hydrogen chloride, organochloride products, oxides of nitrogen, and carbon monoxide.

VI. STORAGE, HANDLING AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS: Contact with alkaline materials including hypochlorite oxidants may produce noxious gases.

STABILITY: Stable at temperatures below 122° F (500° C).

HAZARDOUS POLYMERIZATION: Polymerization will not occur.

INCOMPATIBILITY: Avoid contact with alkaline materials.

SPECIAL PRECAUTIONS: IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. READ THE ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

Keep pesticide in original container. Do not store or transport near food or feed. Do not contaminate food or feed. Store in a secure, preferably locked, cool dry storage area way from heat, open flame, and direct sunlight.

VII. PHYSICAL PROPERTIES

SOLUBILITY: Fully soluble in water

APPEARANCE: Thin, amber liquid with little odor

BOILING POINT: n/a

MELTING POINT: n/a

EVAPORATION RATE: Less than butyl acetate

SPECIFIC GRAVITY: 1.25

VAPOR PRESSURE: not determined

VOLATILE (VOLUME %): n/a

VAPOR DENSITY (AIR=1): Greater than 1

VIII. ENVIRONMENTAL CONCERNS, SPILL RESPONSE AND DISPOSAL

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300 (24 hours).

SPILL/LEAK PRECAUTIONS:

Do not discharge into lakes, streams, ponds or public waters unless in accordance with NPDES permit. Do not apply directly to water or wetlands. Do not contaminate water by cleaning of equipment or disposal of waste. For help with any spill, leak, fire or exposure involving this material, call day or night (800) 457-2022.

Clean up spills immediately, observing precautions in Protective Equipment section. Vacuum with machines equipped with high efficiency filters or sweep up material and place in a disposable container. Scrub contaminated area with detergent and water using a stiff broom. Pick up liquid with Oil Dri, cat litter, clay, rags or other absorbent and place in a disposable container.

DISPOSAL METHODS: Check government regulations and local authorities for approved disposal of this material.

IX. EXPOSURE STANDARDS, REGULATORY LIMITS AND COMPOSITION

EXPOSURE LIMITS: Not established

COMPOSITION CONTENT:

ACTIVE INGREDIENT: Dimethylamine salt of dicamba. 13.3% a.i. (CAS 2300-66-5)

This substance is subject to the provisions of the Pennsylvania Worker and Community Right-to-Know Act. Specific chemical identities are trade secret under the provisions of 35 Pennsylvania Statute Section 7311.

CHRONIC TOXICITY: 3,6-dichloro-o-anisic acid was not oncogenic in either the rat or mouse in long-term feeding studies. A 2-year feeding study in rats revealed no signs of toxicity related to administration of dicamba at levels up to 2500 ppm. 3,6-dichloro-o-anisic acid produced no treatment-related increase in tumors among mice at dietary levels up to 3000 ppm.

DEVELOPMENTAL/REPRODUCTIVE TOXICITY: Presumed pregnant rats were administered 3,6-dichloro-o-anisic acid orally. The numbers of implantations, resorption, and fetuses for test animals were similar to those numbers for the concurrent control animals. No abnormalities were attributed to exposure to 3,6-dichloro-o-anisic acid. The maternal NOEL was 160 mg/kg and developmental NOEL 400 mg/kg.

X. REGULATORY INFORMATION

DOT SHIPPING NAME: n/d/a

DOT HAZARD CLASS: n/d/a

DOT IDENTIFICATION NUMBER: n/d/a

SARA 311 CATEGORIES:

1. Immediate (Acute) Health Effects; NO
2. Delayed (Chronic) Health Effects; NO
3. Fire Hazard; NO
4. Sudden Release of Pressure Hazard; NO
5. Reactivity Hazard; n/d/a

XI. PRODUCT TOXICOLOGY DATA

EYE IRRITATION: Minimal effects clearing in less than 24 hours.

SKIN IRRITATION: No irritation at 72 hours.

DERMAL TOXICITY: n/a

RESPIRATORY INHALATION: n/a

INGESTION: n/a

U.S. E.P.A. (EPA) has evaluated the toxicity of this product as part of the U.S. registration process. EPA requires extensive toxicity tests be performed before any crop protection chemical is approved for use. Based on their review of test results it has been determined that no significant risks to users, the public, or the environment exists when this product is used as indicated on the product label.

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied, is made with respect to the information contained herein. Issued 12/05/06