



VAN DIEST SUPPLY COMPANY

Distributor and Manufacturer of Agricultural Chemicals

SAFETY DATA SHEET

1. IDENTIFICATION

1.1 GHS PRODUCT IDENTIFIER:	CORNBELT® FOAM MARKER DYE
1.2 ALTERNATE NAME(S):	None
1.3 CHEMICAL CLASS:	Foam marker
1.4 ACTIVE INGREDIENT:	A proprietary blend of active foam agents.
1.5 RECOMMENDED USE/RESTRICTIONS:	Please see the label for specific recommendations regarding this product.
1.6 SUPPLIER'S DETAILS:	Van Diest Supply Company 1434 220th Street Post Office Box 610 Webster City, IA 50595-0610
1.7 EMERGENCY PHONE NUMBER:	FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT - CALL CHEMTREC - DAY OR NIGHT - 1-800-424-9300

2. HAZARDS IDENTIFICATION

2.1 GHS HEALTH HAZARDS:	Acute toxicity (dermal)	Category 5
	Skin corrosion/irritation	Category 2
	Serious eye damage/eye irritation	Category 2A
	Flammable liquid	Category 4

2.4 GHS LABEL ELEMENTS & PRECAUTIONARY STATEMENTS:



WARNING

HAZARDS:

H313	May be harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H227	Combustible liquid.

PREVENTION:

P264	Wash hands and or potentially contaminated body parts thoroughly after handling.
P280	Wear eye protection and protective gloves.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

RESPONSE:

P312	Call a poison control center if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P332+P313	IF SKIN IRRITATION OCCURS: Get medical advice.
P362+P364	Take off contaminated clothing and wash before reuse.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313	IF EYE IRRITATION PERSISTS: Get medical advice.

2. HAZARDS IDENTIFICATION, continued**RESPONSE, continued:**

P370+P378

IN CASE OF FIRE: Use a Class B rated fire extinguisher to extinguish.

STORAGE:

P403

Store in a well-ventilated place.

DISPOSAL:

P501

Dispose of contents/container in accordance with federal, state, and local regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	COMMON NAME/SYNONYMS	CAS #	% IN FORMULATION
A proprietary blend of surfactants, coupling agents, dye, and solvent	N/A	N/A	100.00%

This Safety Data Sheet is not a guarantee of product specification. Specific ingredient content may be found on the product label.

4. FIRST AID MEASURES**4.1 GENERAL FIRST AID RECOMMENDATIONS ARE AS FOLLOWS:**

EYE CONTACT:	Hold eye open and rinse slowly and gently with clean water. Remove contact lenses after 5 minutes, if present, then continue rinsing eye. Seek medical attention as appropriate.
SKIN CONTACT:	Remove contaminated clothing and clean skin thoroughly with soap and water. Wash contaminated clothing before reuse.
INGESTION:	Call a poison control center, physician, or hospital immediately for treatment advice as appropriate. Identify the name of the product, the type and amount of exposure, and symptoms the patient is experiencing. Do not induce vomiting unless told to do so by a poison control center, physician, or hospital. Do not give anything by mouth to an unconscious person.
INHALATION:	Remove to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration if possible.

4.2 MOST IMPORTANT SYMPTOMS/EFFECTS (ACUTE AND DELAYED):

Overexposure by contact may cause severe irritation to eyes and skin.

4.3 INDICATION OF NEED FOR IMMEDIATE MEDICAL ATTENTION:

If poisoning is suspected, or any symptoms are serious, immediately contact the poison control center, physician, or nearest hospital for instructions. Inform the contact of the name of the product, the type and amount of exposure, and symptoms the patient is experiencing. Seek medical advice if severe or persistent eye or skin irritation occurs.

5. FIREFIGHTING MEASURES**5.1 SUITABLE EXTINGUISHING MEDIA:**

Use multi-purpose dry chemical, CO₂, or foam extinguisher to extinguish a small fire in accordance with your company's established expectations.

5.2 UNSUITABLE EXTINGUISHING MEDIA:

Class A-only fire extinguishers, such as water-based extinguishers, are not ideal for small fires on this material.

5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Oxides of carbon, smoke, and/or fume may be produced under fire conditions.

5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

To fight larger fires, use full protective clothing and a self-contained breathing apparatus. Evacuate nonessential personnel from area to prevent exposure to fire, smoke, fumes, and/or products of combustion. Dike and collect water runoff.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

Using appropriate personal protective equipment specified in Section 8 - Exposure Control/Personal Protection, absorb any spilled material and place in a container for disposal. Disposal methods should be consistent with information in Section 13 - Disposal Considerations.

6.2 ENVIRONMENTAL PRECAUTIONS:

Keep spill away from drains, sewers, and bodies of water.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANUP:

Using safe handling precautions established elsewhere in this Safety Data Sheet, attempt to control the spill at its source if safe to do so. Control the release of material to prevent contamination of soil or bodies of water. Cover spilled liquid material with a suitable oleophilic absorbent and collect in a suitable container for disposal. Sweep up any spilled dry or dried material or absorbent and collect for disposal. Clean area with detergent, absorb wash water with absorbents, and collect in a suitable container for disposal.

7. HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING:

Follow personal protective equipment recommendations as shown in Section 8 - Exposure Control/Personal Protection when handling this material, adjusted for specific handling methods and conditions to prevent contact with this material. Wash thoroughly with soap and water after handling this material. Do not allow eating, drinking, tobacco use, and/or cosmetic application in areas where there is a potential for exposure to this material. Follow label instructions carefully.

7.2 CONDITIONS FOR SAFE STORAGE:

Store this product in a well-ventilated area in the original container. Secure material from access by children or domestic animals. Do not store this product near food, beverages, and/or tobacco products. Do not store with incompatible materials. Refer to Section 10 - Stability and Reactivity for incompatible materials.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 OCCUPATIONAL EXPOSURE LIMITS:

MATERIAL	CAS #	OSHA PEL	ACGIH TLV	CARCINOGEN		
				NTP	IARC	OSHA
2-Methylpentane-2,4-diol	107-41-5	None	25 ppm C	No	No	No
2-Butoxy-ethanol	111-76-2	50 ppm	20 ppm	No	No	No

8.2 ENGINEERING CONTROLS:

Maintain air concentrations below occupational exposure standards using ventilation techniques as necessary.

8.3 PERSONAL PROTECTIVE EQUIPMENT:

EYE CONTACT:	If splashing can be reasonably anticipated, for instance while pouring the product into another container, wear chemical splash goggles.
SKIN CONTACT:	Where skin contact is possible, wear a suitable barrier such as chemical resistant gloves and a chemical apron. Preferred glove materials include: butyl rubber, nitrile, polyethylene, and/or PVC.
INGESTION:	Do not allow eating, drinking, tobacco use, and/or cosmetic application in areas where there is a potential for exposure to this material.
INHALATION:	A respirator is not normally needed for the incidental handling of this product. For spills or other situations that may generate elevated levels of vapor or dust, use a suitable NIOSH-certified respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear, pale yellow liquid
ODOR:	Sweet
ODOR THRESHOLD:	ND

ND: No Data; N/A: Not Applicable

9. PHYSICAL AND CHEMICAL PROPERTIES, continued

pH:	7-9
MELTING POINT:	ND
BOILING POINT:	ND
FLASH POINT:	>180°F (SCC)
EVAPORATION RATE:	ND
FLAMMABILITY:	N/A
UPPER/LOWER EXLOSIVE LIMIT:	N/A
VAPOR PRESSURE:	N/A
VAPOR DENSITY:	>1
RELATIVE DENSITY:	1.02-1.04
SOLUBILITY:	Soluble
PARTITION COEFFICIENT (<i>n</i> -Octanol/Water):	ND
AUTO-IGNITION TEMPERATURE:	ND
DECOMPOSITION TEMPERATURE:	ND
VISCOSITY:	ND

ND: No Data; N/A: Not Applicable

10. STABILITY AND REACTIVITY**10.1 REACTIVITY:**

Nonreactive under normal conditions.

10.2 CHEMICAL STABILITY:

Stable under normal conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

None.

10.4 CONDITIONS TO AVOID:

Heat, open flame, sparks, and static electricity.

10.5 INCOMPATIBLE MATERIALS:

Strong oxidizers, strong bases, strong acids

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition produces oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION**11.1 LIKELY ROUTES OF EXPOSURE:**

Overexposure may occur by inhalation, ingestion, and absorption.

11.2 SKIN CORROSION/IRRITATION:

This material is anticipated to be moderately irritating to the skin.

11.3 SERIOUS EYE DAMAGE/IRRITATION:

This material is anticipated to be severely irritating to the eyes.

11.4 RESPIRATORY OR SKIN SENSITIZATION:

This material is not suspected of being a sensitizer.

11.5 GERM CELL MUTAGENICITY:

No data.

11. TOXICOLOGICAL INFORMATION, continued**11.6 CARCINOGENICITY:**

MATERIAL	CARCINOGEN		
	NTP	IARC	OSHA
Cornbelt® Foam Marker Dye	No	No	No

11.7 REPRODUCTIVE TOXICITY:

No data.

11.8 STOT-SINGLE EXPOSURE:

No data.

11.9 STOT-LONG TERM EXPOSURE:

No data.

11.10 ASPIRATION HAZARD:

This product does not meet the definition of an aspiration hazard.

11.11 ACUTE TOXICOLOGY:

For 2-Methylpentane-2,4-diol:

INGESTION:	ORAL LD ₅₀
	>4,000 mg/kg
SKIN CONTACT:	DERMAL LD ₅₀
	5,000 mg/kg
INHALATION:	INHALATION LC ₅₀ (DUST/MIST)
	ND

12. ECOLOGICAL INFORMATION**12.1 ECOTOXICITY:**

This product is not expected to be toxic in the aquatic environment.

12.2 PERSISTENCE AND DEGRADABILITY:

Readily biodegradable and not readily transformed to degrade rapidly in air.

12.3 BIOACCUMULATIVE POTENTIAL:

Not expected to be significant.

12.4 MOBILITY IN SOIL:

No data.

13. DISPOSAL CONSIDERATIONS

Rinse containers thoroughly three times and use rinsate according to the label instructions. Dispose of product containers, waste containers, and residues according to local, state, and federal regulations. All recovered materials must be packaged, labeled, transported, and disposed or reclaimed in conformance with applicable laws and in conformance with good engineering practices.

14. TRANSPORT INFORMATION**14.1 DOT CLASSIFICATION:**

DOT/UN NUMBER:	UN 1993
DOT/UN PROPER SHIPPING NAME:	Combustible Liquid N.O.S. (contains ethylene glycol monobutyl ether, synonym of 2-butoxy ethanol)
TRANSPORT HAZARD CLASS:	3
PACKING GROUP:	III
MARINE POLLUTANT:	No

15. REGULATORY INFORMATION**15.1 EPCRA SARA TITLE III CLASSIFICATIONS:****SECTION 311/312 HAZARD CLASSES:**

FIRE:	Yes
RELEASE OF PRESSURE:	No
REACTIVE:	No
IMMEDIATE (ACUTE):	Yes
DELAYED (CHRONIC):	No

SECTION 313 CHEMICALS: 2-Butoxy ethanol**15.2 CERCLA/SARA 302 REPORTABLE QUANTITY:**

None

16. OTHER INFORMATION

SDS VERSION: 1/15/2018

The information and recommendations contained in this Safety Data Sheet are understood to be correct by Van Diest Supply Company. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. Information in this SDS follows different criteria from, and serves a different purpose than the product labeling.