



# VAN DIEST SUPPLY COMPANY

Distributor and Manufacturer of Agricultural Chemicals

## SAFETY DATA SHEET

### 1. IDENTIFICATION

<b>1.1 GHS PRODUCT IDENTIFIER:</b>	<b>CORNBELT® BASE™</b>
<b>1.2 ALTERNATE NAME(S):</b>	None
<b>1.3 ACTIVE INGREDIENT(S):</b>	A proprietary blend of surfactants, modified seed oil, and nitrogen fertilizer solution.
<b>1.4 RECOMMENDED USE/RESTRICTIONS:</b>	Please see the label for specific recommendations regarding this product.
<b>1.5 SUPPLIER'S DETAILS:</b>	Van Diest Supply Company 1434 220th Street Post Office Box 610 Webster City, IA 50595-0610
<b>1.6 EMERGENCY PHONE NUMBER:</b>	FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT - CALL CHEMTREC - DAY OR NIGHT - 1-800-424-9300

### 2. HAZARDS IDENTIFICATION

<b>2.1 HEALTH HAZARDS:</b>	Serious eye damage/eye irritation	Category 2
	Skin corrosion/irritation	Category 2
<b>2.2 PHYSICAL HAZARDS:</b>	Flammable liquid	Category 4
<b>2.3 LABEL ELEMENTS:</b>		



#### WARNING

#### HAZARDS:

H315	Causes skin irritation.
H227	Combustible liquid.

#### PREVENTION:

P264	Wash thoroughly after handling.
P280	Wear protective gloves/eye/face protection.
P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P260	Do not breathe mist/vapors/spray.

#### RESPONSE:

P303+P361+P353	IF ON SKIN (OR HAIR): Remove/take-off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P304+P312	IF INHALED: Call a poison center or doctor/physician if you feel unwell.
P310	Immediately call a poison center or doctor/physician.
P340	Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P363	Wash contaminated clothing before reuse.
P370+P376	In case of fire, stop leak if safe to do so.
<b><u>STORAGE:</u></b>	
P403+P235	Store in a well-ventilated space. Keep cool.
P405	Store locked up.

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

P501 Dispose of contents and container in accordance with federal, state, and local regulations.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

MATERIAL	COMMON NAME/SYNONYMS	CAS #	% IN FORMULATION
Proprietary blend of surfactants, modified seed oil, and nitrogen fertilizer solution (1) (2)	N/A	N/A	100.00%

(1) Substance classified with a health or environmental hazard.

(2) Substance with a workplace exposure limit.

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:**

<b>EYE CONTACT:</b>	Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Seek medical attention.
<b>SKIN CONTACT:</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleaner. Do NOT use solvents or thinners.
<b>INGESTION:</b>	If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
<b>INHALATION:</b>	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):**

No data available. See Section 2 - Hazards Identification for further details.

**4.3 INDICATION OF NEED FOR IMMEDIATE MEDICAL ATTENTION:**

Causes serious eye irritation. Causes skin irritation.

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

Alcohol resistant foam, CO<sub>2</sub>, powder, water spray.

**5.2 UNSUITABLE EXTINGUISHING MEDIA:**

Do not use water jet.

**5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:**

Avoid breathing dust, fumes, mist, vapors, or spray. Irritating toxic substances may be emitted upon thermal decomposition. Thermal decomposition products may include oxides of carbon as well as smoke and/or fumes.

**5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:**

Evacuate area. Prevent contamination from run-off adjacent areas, streams, drinking water, and/or sewers. Do not flush down sewers or other drainage systems. Exposed firefighters must wear standard protective equipment. In enclosed area, a self-contained breathing apparatus must be worn. Use water-spray to cool fire-exposed surfaces and personnel.

**6. ACCIDENTAL RELEASE MEASURES****6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:**

Remove sources of ignition, do not turn on or off lights or unprotected electrical equipment. In case of a major spill, or spillage in a confined space, evacuate the area and check that solvent vapor levels are below the Lower Explosive Limit (LEL) before re-entering. Do not allow spills to enter drains or watercourses.

**6. ACCIDENTAL RELEASE MEASURES, continued****6.2 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANUP:**

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in Section 8 - Exposure Control/Personal Protection. Contain and absorb spillage with non-combustible materials (e.g. sand, earth, and/or vermiculite). Place in closed containers outside buildings and dispose of according to the Waste Regulations (Section 13 - Disposal Considerations). Clean, preferably with a detergent. Do not use solvents. Do not allow spills to enter drains or watercourses. If drains, sewers, or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams, or lakes, the Environmental Protection Agency should also be informed.

**7. HANDLING AND STORAGE****7.1 CONDITIONS FOR SAFE HANDLING:**

Handle containers carefully to prevent damage and spillage. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor. Do not swallow. Wash thoroughly after handling. Keep container tightly closed. Use with adequate ventilation. See Section 2 - Hazards Identification (Prevention) for further details.

**7.2 CONDITIONS FOR SAFE STORAGE:**

Store in a tightly closed container. Store away from incompatible materials. Keep cool. See Section 2 - Hazards Identification (Storage) for further details.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION****8.1 OCCUPATIONAL EXPOSURE LIMITS:**

MATERIAL	CAS #	OSHA PEL	ACGIH TLV	CARCINOGEN		
				NTP	IARC	OSHA
Glycerol	56-81-5	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	No	No	No
1-Butanol	71-36-3	10 ppm	15 ppm/ C:30 ppm	No	No	No
Diethanolamine	111-42-2	N/A	TWA: 2 mg/m <sup>3</sup>	No	No	No
2-Butoxy-ethanol	111-76-2	50 ppm	20 ppm	No	No	No
Mineral Oil	8042-47-5	5 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>	No	No	No

**8.2 ENGINEERING CONTROLS:**

Provide adequate ventilation where reasonably practicable. This should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates, and any vapor below occupational exposure limits, suitable respiratory protection should be worn.

**8.3 PERSONAL PROTECTIVE EQUIPMENT:**

The following recommendations are suitable for small, incidental contact with this material. Recommendations for commercial or on-farm application of this chemical may be found on the product label.

<b>EYE CONTACT:</b>	Wear chemical goggles.
<b>SKIN CONTACT:</b>	Overalls, which cover the body, arms, and legs, should be worn. Skin should not be exposed. All parts of the body should be washed after contact.
<b>INGESTION:</b>	Do not allow eating, drinking, tobacco use, and/or cosmetic application in areas where there is a potential for exposure to this material.
<b>INHALATION:</b>	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**

<b>APPEARANCE:</b>	Slightly hazy, pale yellow liquid
<b>ODOR:</b>	Ammonia
<b>ODOR THRESHOLD:</b>	ND

**9. PHYSICAL AND CHEMICAL PROPERTIES, continued**

pH:	8.4-8.7
MELTING POINT:	ND
BOILING POINT:	ND
FLASH POINT:	>141°F
EVAPORATION RATE:	ND
FLAMMABILITY:	N/A
UPPER/LOWER EXLOSIVE LIMIT:	ND
VAPOR PRESSURE:	ND
VAPOR DENSITY:	Heavier than air
RELATIVE DENSITY:	ND
SOLUBILITY:	ND
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:**

No dangerous reactions under normal handling conditions.

**10.2 CHEMICAL STABILITY:**

Stable under normal conditions.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS:**

Will not occur.

**10.4 CONDITIONS TO AVOID:**

Contact with incompatible materials. Extreme heat, open flame/sparks, and other sources of ignition.

**10.5 INCOMPATIBLE MATERIALS:**

Strong oxidizers, strong acids, strong bases.

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal decomposition will produce oxides of carbon and irritating/toxic fumes.

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

Overexposure may occur by inhalation, ingestion, and absorption.

**11.2 SKIN CORROSION/IRRITATION:**

This material causes skin irritation.

**11.3 SERIOUS EYE DAMAGE/IRRITATION:**

This material causes serious eye damage.

**11.4 RESPIRATORY OR SKIN SENSITIZATION:**

This material is not suspected of being a sensitizer.

**11.5 GERM CELL MUTAGENICITY:**

This material is not suspected of being mutagenic.

**11.6 CARCINOGENICITY:**

This material is not suspected of being a carcinogen.

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

MATERIAL	CARCINOGEN		
	NTP	IARC	OSHA
2-Methylpentane-2,4-diol	No	No	No

**11.7 REPRODUCTIVE TOXICITY:**

This material is not suspected of being a teratogen.

**11.8 STOT-SINGLE EXPOSURE:**

No

**11.9 STOT-LONG TERM EXPOSURE:**

This material is not linked to long-term exposure effects.

**11.10 ASPIRATION HAZARD:**

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

**11.11 ACUTE TOXICOLOGY:**

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

**12. ECOLOGICAL INFORMATION****12.1 ECOTOXICITY:**

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

**12.2 PERSISTENCE AND DEGRADABILITY:**

No data.

**12.3 BIOACCUMULATIVE POTENTIAL:**

No data.

**12.4 MOBILITY IN SOIL:**

No data.

**13. DISPOSAL CONSIDERATIONS**

Do not allow into drains or watercourses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Agency. Using information provided in this Safety Data Sheet, advice should be obtained from the Waste Regulation Authority, as to whether the special waste regulations apply.

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

The material is classified as follows, when shipped in containers at or above the regulated container size:

ID:	UN 1993
PROPER SHIPPING NAME:	UN 1993 Combustible Liquid, N.O.S. (contains butanol and glycol ether EB)
HAZARD CLASS:	Class 3
PACKING GROUP:	PG III

**15. REGULATORY INFORMATION****15.1 EPCRA SARA TITLE III CLASSIFICATIONS:**

<b>CHEMICALS AND RQs (&gt;0.1%):</b>	1-Butanol (5,000.00), Diethanolamine (100.00)
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**15.2 CERCLA/SARA 302 REPORTABLE QUANTITY:**

<b>EXTREMELY HAZARDOUS (&gt;0.1%):</b>	No product ingredients listed.
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**15.3 CALIFORNIA PROPOSITION 65:**

<b>CARCINOGENS (&gt;0.0%):</b>	1,4-Dioxane, acetaldehyde, diethanolamine, oxirane
<b>DEVELOPMENTAL TOXINS (&gt;0.0%):</b>	No product ingredients listed.
<b>FEMALE REPRODUCTIVE TOXINS (&gt;0.0%):</b>	Oxirane
<b>MALE REPRODUCTIVE TOXINS (&gt;0.0%):</b>	Oxirane
<b>NJ, PA RTK SUBSTANCE (&gt;1%):</b>	2-Butoxy-ethanol, ammonium nitrate (solution), 1-butanol, diethanolamine, and glycerol

**16. OTHER INFORMATION**

SDS VERSION: 1/11/2018

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.