



# VAN DIEST SUPPLY COMPANY

Distributor and Manufacturer of Agricultural Chemicals

## SAFETY DATA SHEET

### 1. IDENTIFICATION

- 1.1 GHS PRODUCT IDENTIFIER:** CORNBELT® ARCTIC-SHIELD™
- 1.2 ALTERNATE NAME(S):** None
- 1.3 RECOMMENDED USE/RESTRICTIONS:** Please see the label for specific recommendations regarding this product.
- 1.4 SUPPLIER'S DETAILS:** Van Diest Supply Company  
1434 220th Street  
Post Office Box 610  
Webster City, IA 50595-0610
- 1.5 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 HAZARD CLASSIFICATIONS:** None
- 2.2 GHS LABEL ELEMENTS AND PRECAUTIONARY STATEMENTS:**
- HAZARDS:** None
- PREVENTION:** None
- RESPONSE:** None
- DISPOSAL:**  
P501 Dispose of contents/containers in accordance with local, state, and federal requirements.
- 2.3 UNCLASSIFIED HAZARDS:** None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	Notes	CAS #	% IN FORMULATION
Propylene glycol	[1]	Proprietary	50.0 - 75.0%
Corrosion Inhibitors, Seal Conditioner, Defoaming Agents, and Other Inert Ingredients	[1]	Proprietary	< 50.0%
Sodium nitrite	[1]	Proprietary	0.10 - 1.0%

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-Substance or vPvB-substance.

### 4. FIRST AID MEASURES

#### 4.1 GENERAL FIRST AID RECOMMENDATIONS ARE AS FOLLOWS:

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

<b>EYE CONTACT:</b>	Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.
<b>SKIN CONTACT:</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. 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, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

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

No adverse symptoms or effects anticipated under normal handling conditions. See Section 2 - Hazards Identification, for further details.

## 5. FIREFIGHTING MEASURES

### 5.1 SUITABLE EXTINGUISHING MEDIA:

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

### 5.2 UNSUITABLE EXTINGUISHING MEDIA:

Water-jet

### 5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Combustion may yield smoke, carbon monoxide, and other products of incomplete combustion. Oxides of sulfur, nitrogen, and/or phosphorus may also be formed.

### 5.4 ADVICE FOR FIREFIGHTERS:

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

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES:

Keep all sources of ignition away from spill/release. In case of a major spill or spillage in a confined space, evacuate the area and check vapor levels.

### 6.2 ENVIRONMENTAL PRECAUTIONS:

Do not allow spills to enter drains and/or watercourses.

### 6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANUP:

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

## 7. HANDLING AND STORAGE

### 7.1 PRECAUTIONS FOR SAFE HANDLING:

Do not get in eyes, on skin, and/or on clothing. Do not breathe vapors and/or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, and/or smoking. Remove contaminated clothing and clean before reuse. Destroy contaminated belts and shoes and other items that cannot be decontaminated. See Section 2 - Hazards Identification - Prevention, for further details.

### 7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES:

Store in tightly closed containers in dry, well-ventilated area away from excessive heat and incompatibles. Incompatible materials: oxidizing agents. See Section 2 - Hazards Identification - Storage, for further details.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS:

#### EXPOSURE

CAS #	Ingredient	Source	Value
Proprietary	1,2-Propanediol	OSHA	No Established Limit
		ACGIH	TWA(Aerosol): 10 mg/m <sup>3</sup>
		NIOSH	No Established Limit
Proprietary	Sodium nitrite	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION, continued****8.1 CONTROL PARAMETERS, continued:****CARCINOGEN**

CAS #	Ingredient	Source	Value
Proprietary	1,2-Propanediol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No
Proprietary	Sodium nitrite	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No

**8.2 EXPOSURE CONTROLS:**

<b>RESPIRATORY</b>	If workers are exposed to concentrations above the exposure limit, they must use the appropriate, certified respirators.
<b>EYES</b>	Wear safety eyewear, e.g. safety spectacles, goggles, or visors to protect against the splash of liquids.
<b>SKIN</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>ENGINEERING CONTROLS</b>	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 must be worn.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE:</b>	Light Purple Liquid
<b>ODOR:</b>	Mild
<b>ODOR THRESHOLD:</b>	Not measured
<b>pH:</b>	Not measured
<b>MELTING POINT/FREEZING POINT:</b>	Not measured
<b>INITIAL BOILING POINT &amp; BOILING RANGE:</b>	Not measured
<b>FLASH POINT:</b>	>93 (°C) >200 (°F) Seta Closed Cup
<b>EVAPORATION RATE (Ether = 1):</b>	Not measured
<b>FLAMMABILITY (solid, gas):</b>	Not applicable
<b>UPPER/LOWER EXPOSURE LIMIT:</b>	Not measured
<b>VAPOR PRESSURE (Pa):</b>	Not measured
<b>VAPOR DENSITY:</b>	Not measured
<b>SPECIFIC GRAVITY:</b>	Not measured
<b>SOLUBILITY IN WATER:</b>	Not measured
<b>PARTITION COEFFICIENT (n-Octanol/Water) (Log K<sub>OW</sub>):</b>	Not measured
<b>AUTO-IGNITION TEMPERATURE:</b>	Not measured
<b>DECOMPOSITION TEMPERATURE:</b>	Not measured
<b>VISCOSITY (cSt):</b>	Not measured
<b>VOC %:</b>	Not measured

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

Not chemically reactive

**10. STABILITY AND REACTIVITY, continued****10.2 CHEMICAL STABILITY:**

Stable under normal ambient and anticipated conditions of use.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS:**

Hazardous reactions not anticipated.

**10.4 CONDITIONS TO AVOID:**

Extended exposure to high temperatures can cause decomposition. Avoid all possible sources of ignition.

**10.5 INCOMPATIBLE MATERIALS:**

Oxidizing agents

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS:**

Not anticipated under normal conditions of use.

**11. TOXICOLOGICAL INFORMATION****11.1 ACUTE TOXICITY:**

ATE (Acute Toxicity Estimate)

MATERIAL	ORAL LD <sub>50</sub> , mg/kg	SKIN LD <sub>50</sub> , mg/kg	INHALATION VAPOR LC <sub>50</sub> , mg/L/4hr	INHALATION DUST/MIST LC <sub>50</sub> , mg/L/4hr
CORNBELT® ARCTIC-SHIELD™	No Data Available	No Data Available	No Data Available	No Data Available

  

ITEM	CATEGORY	HAZARD
Acute Toxicity (mouth)	---	Not Applicable
Acute Toxicity (skin)	---	Not Applicable
Acute Toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Eye damage/irritation	---	Not Applicable
Sensitization (respiratory)	---	Not Applicable
Sensitization (skin)	---	Not Applicable
Germ toxicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
Specific target organ systemic toxicity (single exposure)	---	Not Applicable
Specific target organ systemic toxicity (repeated exposure)	---	Not Applicable
Aspiration hazard	---	Not Applicable

**12. ECOLOGICAL INFORMATION****12.1 TOXICITY:**

Ecotoxicity studies have not been conducted on this preparation.

**12.2 PERSISTENCE AND DEGRADABILITY:**

There is no data available on the preparation itself.

**12.3 BIOACCUMULATIVE POTENTIAL:**

Not measured

**12.4 MOBILITY IN SOIL:**

No data available

**12.5 PBT AND vPvB RESULTS:**

This product does not contain PBT/vPvB chemicals.

**12. ECOLOGICAL INFORMATION, continued****12.6 OTHER ADVERSE EFFECTS:**

No data available.

**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 Act. Using information provided in this Safety Data Sheet, advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply. Dispose of contents in accordance with local and national regulations.

**14. TRANSPORT INFORMATION**

<b>14.1 DOT/UN PROPER SHIPPING NAME:</b>	Not regulated
<b>14.2 DOT HAZARD CLASS:</b>	Not applicable
<b>14.3 DOT PACKING GROUP:</b>	Not applicable
<b>14.4 MARINE POLLUTANT:</b>	No
<b>14.5 CERCLA/DOT RQ:</b>	45,455 lb / 5,457 gal

This material is not regulated for transport unless the quantity in one package equals or exceeds the Reportable Quantity (RQ). Please see Section 15 - Regulatory Information, for ingredient RQs related to this material.

**15. REGULATORY INFORMATION**

Section 15 - Regulatory Information, is not intended to be all-inclusive, only selected regulations are represented.

**15.1 TOXIC SUBSTANCE CONTROL ACT (TSCA):**

All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

**15.2 EPCRA SARA TITLE III CLASSIFICATIONS:**

See Section 2 - Hazards Identification, for further details.

**15.3 NFPA:**

Health Hazards	0
Flammability	1
Instability	0
Special Hazards	-

**15.4 EPCRA 311/312 CHEMICALS AND REPORTABLE QUANTITIES (lbs) (>0.1%):**

Sodium nitrite (100.00)

**15.5 EPCRA 302 EXTREMELY HAZARDOUS (>0.1%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**15.6 EPCRA 313 TOXIC CHEMICALS (>0.1%):**

Sodium nitrite

**15.7 PROPOSITION 65 - CARCINOGENS (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**15.8 PROPOSITION 65 - DEVELOPMENTAL TOXINS (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**15.9 PROPOSITION 65 - FEMALE REPRODUCTIVE TOXINS (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**15.10 PROPOSITION 65 - MALE REPRODUCTIVE TOXINS (>0.0%):**

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**15.11 NEW JERSEY RTK SUBSTANCES (>1%):**

1,2-Propanediol

**16. OTHER INFORMATION**

SDS VERSION: 8/26/2025

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.