



# VAN DIEST SUPPLY COMPANY

Distributor and Manufacturer of Agricultural Chemicals

## SAFETY DATA SHEET

### 1. IDENTIFICATION

**1.1 GHS PRODUCT IDENTIFIER:** CORNBELT<sup>®</sup> VAPOR-SHIELD<sup>™</sup>, a VaporGrip<sup>®</sup> Xtra Agent

**1.2 ALTERNATE NAME(S):** None

**1.3 CHEMICAL CLASS:** Agricultural adjuvant.

**1.4 RECOMMENDED USE/RESTRICTIONS:** Please see the label for specific recommendations regarding this product.

**1.5 SUPPLIER'S DETAILS:** Van Diest Supply Company  
1434 220th Street  
Post Office Box 610  
Webster City, IA 50595-0610

**1.6 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 HEALTH HAZARDS:** Skin irritation -- Category 2  
Eye irritation -- Category 2A

#### 2.2 GHS LABEL ELEMENTS AND PRECAUTIONARY STATEMENTS:

Using the Toxicity Data listed in Section 11 and 12, the product is labeled as follows.

#### HAZARDS:

H315 Signal word: **WARNING!**   
Causes skin irritation.

H319 Causes serious eye irritation.

#### PREVENTION:

P264 Wash thoroughly after handling.

P280 Wear protective gloves/eye protection/face protection.

#### RESPONSE:

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P321 Specific treatment (see information on this label).

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

#### STORAGE:

No GHS storage statements

#### DISPOSAL:

No GHS storage statements

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

MATERIAL	CAS #	Weight %
Potassium hydroxide / Ethanoic acid	1310-58-3 / 64-19-7	50.00%

## 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 15 minutes, holding the eyelids apart and seek medical attention.
<b>SKIN CONTACT:</b>	Remove contaminated clothing and jewelry. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Continue for at least 15 minutes
<b>INGESTION:</b>	Rinse mouth thoroughly with water. Immediately offer water to drink. Never give anything by mouth to an unconscious person. Do NOT induce vomiting unless directed by medical personnel. If symptoms occur, get medical attention.
<b>INHALATION:</b>	Remove to fresh air, keep patient warm and at rest. If breathing has 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.

<b>EYES:</b>	Causes serious eye irritation.
<b>SKIN:</b>	Causes skin irritation.

## 5. FIREFIGHTING MEASURES

### 5.1 SUITABLE EXTINGUISHING MEDIA:

Water spray, Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>). Do not use water jet.

### 5.2 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

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

### 5.3 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS:

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. Equipment should be thoroughly decontaminated after use.

## 6. ACCIDENTAL RELEASE MEASURES

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

Use protective equipment. Keep unauthorized persons away. Avoid contact with spilled product or contaminated surfaces.

### 6.2 ENVIRONMENTAL PRECAUTIONS:

Prevent contamination from run-off of adjacent areas, streams, drinking water and sewers. Do not flush down sewers or other drainage systems. Evacuate area. Prevent contamination from run-off of adjacent areas, streams, drinking water and sewers. Do not flush down sewers or other drainage systems. Do not allow spills to enter drains 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 Control/Personal Protection. Contain and absorb spillage with non-combustible materials such as sand, earth, and/or 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 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 CONDITIONS FOR SAFE HANDLING:

Do not get in eyes, on skin, or on clothing. Do not breathe vapors 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 re-use. Destroy contaminated belts, shoes, and other items that cannot be decontaminated. See Section 2 - Hazards Identification for further details (Prevention).

### 7.2 CONDITIONS FOR SAFE STORAGE:

Keep out of reach of children. Keep away from food, drink and animal feed. Keep only in the original container. Store in tightly closed containers in a dry, well-ventilated area away from excessive heat and incompatibles.

<b>INCOMPATIBLE MATERIALS:</b>	Oxidizing agents
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See Section 2 - Hazards Identification for further details (Storage).

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

No known occupational limit values.

**8.2 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 container label.

<b>EYE CONTACT:</b>	Wear sealed safety goggles and face shield to protect against the splash of liquids.
<b>SKIN CONTACT:</b>	Wear chemical resistant gloves such as nitrile. Wear face shield. 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>INHALATION:</b>	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
<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>	Colorless to light yellow liquid
<b>ODOR:</b>	Sour
<b>ODOR THRESHOLD:</b>	Not Measured
<b>pH:</b>	7.5 - 8.5
<b>MELTING POINT:</b>	NA
<b>BOILING POINT:</b>	Not Measured
<b>FLASH POINT:</b>	Does not flash
<b>EVAPORATION RATE (Ether=1):</b>	Not Measured
<b>FLAMMABILITY (solid, gas):</b>	Not Measured
<b>UPPER/LOWER EXLOSIVE LIMIT:</b>	No explosive properties.
<b>VAPOR PRESSURE (Pa):</b>	Not Measured
<b>VAPOR DENSITY:</b>	Not Measured
<b>SPECIFIC GRAVITY:</b>	1.27
<b>PARTITION COEFFICIENT (n-Octanol/Water; Log K<sub>OW</sub>):</b>	Not Measured
<b>AUTO-IGNITION TEMPERATURE (°C):</b>	Not Measured
<b>DECOMPOSITION TEMPERATURE:</b>	Not Measured
<b>VISCOSITY (cSt):</b>	Not Measured
<b>VOC %</b>	Not Measured

ND: No Data; NA: Not Applicable

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

Not chemically reactive.

**10.2 CHEMICAL STABILITY:**

Stable under normal ambient and anticipated conditions of use.

**10.3 POSSIBILITY OF HAZARDOUS REACTIONS:**

Reacts with galvanised steel or unlined mild steel to produce hydrogen, a highly flammable gas that could explode.

**10.4 CONDITIONS TO AVOID:**

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

**10. STABILITY AND REACTIVITY (continued)****10.5 INCOMPATIBLE MATERIALS:**

Oxidizing agents.

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS:**

Not anticipated under normal conditions of use. Thermal decomposition: Hazardous products of combustion: see Section 5 - Firefighting Measures.

**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	Inhalation Gas LC <sub>50</sub> , ppm
CORNBELT® VAPOR-SHIELD™	No data available	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	2		Causes skin irritation.		
Eye damage/irritation	2A		Causes serious eye irritation.		
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:**

No additional information provided for this product.

Aquatic Ecotoxicity: No data available

**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 RESULTS OF PBT AND vPvB ASSESSMENT:**

This product contains no PBT/vPvB chemicals.

**12.6 OTHER ADVERSE EFFECTS:**

No data available.

**13. DISPOSAL CONSIDERATIONS**

Do NOT reuse containers. Wastes and emptied containers must be disposed of in accordance with local, state, and federal regulations.

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

DOT PROPER SHIPPING NAME:	Not Regulated
IMDG PROPER SHIPPING NAME:	Not Regulated
ICAO/IATA PROPER SHIPPING NAME:	See Bill of Lading

**15. REGULATORY INFORMATION**

The regulatory data in Section 15 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 WHMIS CLASSIFICATION:**

D2B

**15.3 US EPA TIER III HAZARDS:**

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

**15.4 EPCRA SARA TITLE III CLASSIFICATIONS:****EPCRA 311/312 CHEMICALS AND RQS (LBS) (>0.1%):**

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

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

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

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

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

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

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

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

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

**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.

**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.

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

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

**PENNSYLVANIA RTK SUBSTANCES (>1%):**

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

**16. OTHER INFORMATION**

SDS VERSION: 12/3/2020

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.