



1. IDENTIFICATION

1.1 GHS PRODUCT IDENTIFIER:	CORNBELT® EN-PACK™
1.2 ALTERNATE NAME(S):	None
1.3 CHEMICAL CLASS:	Agricultural adjuvant.
1.4 ACTIVE INGREDIENT(S):	A proprietary blend of water conditioners and buffers.
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 HAZARD CLASSIFICATIONS:	Eye irritation	Category 2B
	Skin irritation	Category 2
	Acute toxicity (oral)	Category 5
	Acute toxicity (inhalation)	Category 4

2.2 GHS LABEL ELEMENTS AND PRECAUTIONARY STATEMENTS:



WARNING

HAZARDS:

H303	May be harmful if swallowed.
H332	Harmful if inhaled.
H315	Causes skin irritation.
H320	Causes eye irritation.

PREVENTION:

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P264	Wash thoroughly after handling.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/eye protection/face protection.

RESPONSE:

P301+P312+P330	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.
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.
P304+312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P338+P313	If exposed or concerned: Get medical advice / attention.
P340 +P362	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Take off contaminated clothing and wash before reuse.

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

P405 Store locked up.

DISPOSAL:

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

This product is labeled with the following GHS Classifications, as it contains substances that present a hazard within the meaning of the relevant state and federal hazardous substances regulations. Some weight percentages and CAS numbers are being withheld as a Trade Secret.

MATERIAL	WEIGHT %	CAS #	NOTES
Proprietary surfactant	10.0 - 25.0%	Proprietary	[1]
Proprietary surfactant	10.0 - 25.0%	Proprietary	[1]
Proprietary surfactant	1.0 - 10.0%	Proprietary	[1]
Glycerol	1.0 - 10.0%	56-81-5	[1] [2]
Sulfuric acid	1.0 - 10.0%	7664-93-9	[1] [2]

[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:**

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

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 for 15 minutes. Seek medical advice as appropriate.
SKIN CONTACT:	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Do NOT use solvents or thinners. 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. Keep at rest.
INHALATION:	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. Overexposure by contact may cause irritation to skin and eyes. Harmful if inhaled. May be harmful if swallowed.

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

Alcohol resistant foam, CO₂, powder, water spray.

5.2 UNSUITABLE EXTINGUISHING MEDIA:

Class-A only fire extinguishers, such as water-based extinguishers, are not ideal for small fires on this material. Do not use 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. Avoid breathing dust/fumes/gas/mist/vapors/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

5. FIREFIGHTING MEASURES, continued**5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS 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 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 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, shoes, and/or other items that cannot be decontaminated. See Section 2 - Hazards Identification - Prevention for further details.

7.2 CONDITIONS FOR SAFE STORAGE:

Store in tightly closed containers in a dry, well-ventilated area away from excessive heat and incompatibles. Incompatible materials include alkalis and susceptible metals (aluminum, tin, lead, and/or zinc), strong acids, strong bases, and/or oxidizing agents. 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 ³ , TWA 5 mg/m ³	10 mg/m ³ , TWA 3 mg/m ³	No	No	No
Proprietary Surfactant	Proprietary	None established	None established	No	No	No
Proprietary Surfactant	Proprietary	None established	None established	No	No	No
Sulfuric acid	7664-93-9	TWA 1 mg/m ³	TWA 0.2 mg/m ³	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 must 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 container label.

EYE CONTACT:	Wear safety eyewear (e.g. safety spectacles, goggles, or face shields) to protect against the splash of liquids.
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8. EXPOSURE CONTROL/PERSONAL PROTECTION, continued

SKIN CONTACT:	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.
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:	Fatty
ODOR THRESHOLD:	ND
pH:	ND
MELTING POINT:	ND
BOILING POINT:	ND
FLASH POINT:	ND
EVAPORATION RATE:	ND
FLAMMABILITY:	ND
UPPER/LOWER EXLOSIVE LIMIT:	ND
VAPOR PRESSURE:	ND
VAPOR DENSITY:	ND
SPECIFIC GRAVITY @ 68°F:	ND
SOLUBILITY:	ND
PARTITION COEFFICIENT (n-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:**

Not chemically reactive.

10.2 CHEMICAL STABILITY:

Stable under normal and anticipated conditions of use.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

Not anticipated.

10.4 CONDITIONS TO AVOID:

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

10.5 INCOMPATIBLE MATERIALS:

Oxidizing agents.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:

Not anticipated under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/ATE (ACUTE TOXICITY ESTIMATE)	ORAL LD₅₀, mg/kg	SKIN LD₅₀, mg/kg	INHALATION VAPOR LC₅₀, mg/L/4hr	INHALATION DUST/MIST LC₅₀, mg/L/4hr
CORNBELT® EN-PACK™	>2000.00, Category 4	>2,000.00, Category NA	11	1.5

11. TOXICOLOGICAL INFORMATION, continued

ITEM	CATEGORY	HAZARD
Acute toxicity (mouth)	5	May be harmful if swallowed.
Acute toxicity (skin)	-	Not Applicable.
Acute toxicity (inhalation)	4	Harmful if inhaled.
Skin corrosion/irritation	2	Causes skin irritation.
Eye damage/irritation	2B	Causes 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 ECOTOXICITY:**

Ecotoxicity studies have not been conducted on this preparation.

12.2 PERSISTENCE AND DEGRADABILITY:

No data.

12.3 BIOACCUMULATIVE POTENTIAL:

Not measured.

12.4 MOBILITY IN SOIL:

No data.

12.5 PBT & vPvB ASSESSMENT:

This product contains no PBT/vPvB chemicals.

12.6 OTHER ADVERSE EFFECTS:

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

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

DOT PROPER SHIPPING NAME: Not regulated
 DOT HAZARD CLASS: Not applicable
 DOT PACKING GROUP: Not applicable
 DOT LABEL: None

14.2 IMDG CLASSIFICATION:

IMDG PROPER SHIPPING NAME: Not regulated

14.2 IMDG CLASSIFICATION, continued:

IMDG HAZARD CLASS: Not applicable
 IMDG PACKING GROUP: Not applicable
 IMDG MARINE POLLUTANT: No

14.3 ICAO/IATA:

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:

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:

D2A

15.3 US EPA TIER II HAZARDS:

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

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

Ethylene glycol (5,000.00)

Sulfuric acid (1,000.00)

EPCRA 302 EXTREMELY HAZARDOUS (>0.1%):

Sulfuric acid

EPCRA 313 TOXIC CHEMICALS (>0.1%):

Sulfuric acid

Ethylene glycol

15.5 PROPOSITION 65 - CARCINOGENS (>0.0%):

Acetaldehyde

Oxirane

1,4-Dioxane

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

Ethylene glycol

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

Ethylene glycol

Oxirane

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

Oxirane

16. OTHER INFORMATION

SDS VERSION: 5/8/2018

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.