



VAN DIEST SUPPLY COMPANY

Distributor and Manufacturer of Agricultural Chemicals

SAFETY DATA SHEET

1. IDENTIFICATION

1.1 GHS PRODUCT IDENTIFIER:	CORNBELT [®] SHEPHERD [™] COMPLETE
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
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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:

	Signal word: WARNING! 
H303	May be harmful if swallowed (not adopted by US OSHA)
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

PREVENTION:

P261	Avoid breathing dust / mist / vapors / spray.
P264	Wash thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
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).
P333+P313	If skin irritation or a rash occurs: Get medical advice / attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.

STORAGE:

No GHS storage statements

DISPOSAL:

P501	Dispose of contents / container in accordance with local / national regulations.
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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	COMMON NAME	CAS #	% IN FORMULATION	NOTES
Proprietary Surfactant Blend	Proprietary	Proprietary	1.0 - 10	1
Proprietary Solvent Blend	Proprietary	Proprietary	1.0 - 10	1
Proprietary Solvent	Proprietary	Proprietary	1.0 - 10	1

Notes: 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:	Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart and seek medical attention.
SKIN CONTACT:	Remove contaminated clothing and jewelry. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Do NOT use solvents or thinners. Continue for at least 15 minutes
INGESTION:	If accidentally swallowed obtain immediate medical attention. Do NOT induce vomiting. Never give anything by mouth to an unconscious person.
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.

EYES:	Causes serious eye irritation.
SKIN:	Causes skin irritation.
INGESTION:	May be harmful if swallowed. (Not adopted by OSHA.)

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

Water spray, Alcohol-resistant Foam, Dry chemical, Carbon dioxide (CO₂). 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. Avoid breathing dust / mist / vapors / spray.

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:**

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

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.

INCOMPATIBLE MATERIALS:	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. Not listed as a carcinogen by OSHA, NTP, or IARC.

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.

EYE CONTACT:	Wear sealed safety goggles and face shield to protect against the splash of liquids.
SKIN CONTACT:	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.
INHALATION:	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Viscous, Hazy, Amber Liquid
ODOR:	Mild
ODOR THRESHOLD:	Not Measured
pH:	7.5 (NEAT)
MELTING POINT:	14° F
BOILING POINT:	>200° F
FLASH POINT:	Not Measured
EVAPORATION RATE (Ether=1):	Not Measured
FLAMMABILITY (solid, gas):	NA
UPPER/LOWER EXLOSIVE LIMIT:	Not Measured
VAPOR PRESSURE (Pa):	Not Measured
VAPOR DENSITY:	Not Measured
SPECIFIC GRAVITY:	1.25
PARTITION COEFFICIENT (n-Octanol/Water; Log K_{OW}):	Not Measured
AUTO-IGNITION TEMPERATURE (°C):	Not Measured
DECOMPOSITION TEMPERATURE:	Not Measured
VISCOSITY (cSt):	500 cps
VOC %	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:

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 ₅₀ , mg/kg	SKIN LD ₅₀ , mg/kg	Inhalation Vapor LC ₅₀ , mg/L/4hr	Inhalation Dust/Mist LC ₅₀ , mg/L/4hr	Inhalation Gas LC ₅₀ , ppm
CORNBELT® VAPORGARD COMPLETE™	>5,000	No data available	No data available	No data available	No data available.

ITEM	CATEGORY	HAZARD
Acute toxicity (mouth)	5	May be harmful if swallowed (not adopted by US OSHA)
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)	1	May cause an allergic skin reaction.
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 RESULTS OF PBT AND vPvB ASSESSMENT:

This product contains no PBT/vPvB chemicals.

12. ECOLOGICAL INFORMATION (continued)**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:

Not Regulated. This product contains no endocrine disrupting chemicals.

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: 12/29/22

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.