



# VAN DIEST SUPPLY COMPANY

Distributor and Manufacturer of Agricultural Chemicals

## SAFETY DATA SHEET

### 1. IDENTIFICATION

- 1.1 GHS PRODUCT IDENTIFIER:** CORNBELT® SPRAY pHIX™
- 1.2 RECOMMENDED USE/RESTRICTIONS:** Please see the label for specific recommendations regarding this product.
- 1.3 SUPPLIER'S DETAILS:** Van Diest Supply Company  
1434 220th Street  
Post Office Box 610  
Webster City, IA 50595-0610
- 1.4 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 Damage Category 1
- 2.2 GHS LABEL ELEMENTS AND PRECAUTIONARY STATEMENTS:**



**DANGER**

**HAZARDS:**

H318 Causes serious eye irritation.

**PREVENTION:**

P280 Wear protective gloves, eye protection, and face protection.

**RESPONSE:**

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

P310 Immediately call a POISON CENTER, doctor, or physician.

P313 Get medical advice/attention.

P332+P313 IF SKIN IRRITATION OCCURS: Get medical advice/attention.

**STORAGE:**

No GHS storage statements

**DISPOSAL:**

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

### 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 %    | Notes  |
|-------------------------|-------------|-------------|--------|
| Proprietary pH adjuster | Proprietary | 10.0 - 25.0 | [1]    |
| Proprietary solvent     | Proprietary | 10.0 - 25.0 | [1][2] |
| Proprietary surfactant  | Proprietary | 1.0 - 10.0  | [1]    |
| Proprietary surfactant  | Proprietary | 1.0 - 10.0  | [1]    |
| Proprietary surfactant  | Proprietary | 1.0 - 10.0  | [1]    |

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

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

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.

|                      |  |
|----------------------|--|
| <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):

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

|              |                              |
|--------------|------------------------------|
| <b>EYES:</b> | Causes serious eye damage.   |
| <b>SKIN:</b> | Causes mild 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:

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 SPECIAL PROTECTIVE ACTIONS 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. In enclosed areas, wear a self-contained breathing apparatus. Use water-spray to cool fire-exposed surfaces and personnel.

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## 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 or mists. 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 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, 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 PRECAUTIONS FOR SAFE HANDLING:

Do not get in eyes or on skin or 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 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 a dry, well-ventilated area away from excessive heat and incompatibles. Incompatible materials include: oxidizing agents. See Section 2 - Hazards Identification - Storage, for further details.

## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS:

| MATERIAL                | CAS #       | EXPOSURE |  |
|-------------------------|-------------|----------|--|
|                         |             |          | VALUE  |
| Proprietary solvent     | Proprietary | OSHA     | TWA: 15 mg/m <sup>3</sup> (total dust) TWA: 5 mg/m <sup>3</sup> (resp) |
|                         |             | ACGIH    | TWA: 3 mg/m <sup>3</sup> (respirable) 10 mg/m <sup>3</sup> (mist)      |
|                         |             | NIOSH    | No established RELs  |
| Proprietary pH adjuster | Proprietary | OSHA     | No established limit   |
|                         |             | ACGIH    | No established limit   |
|                         |             | NIOSH    | No established limit   |
| Proprietary surfactant  | Proprietary | OSHA     | No established limit   |
|                         |             | ACGIH    | No established limit   |
|                         |             | NIOSH    | No established limit   |
| Proprietary surfactant  | Proprietary | OSHA     | No established limit   |
|                         |             | ACGIH    | No established limit   |
|                         |             | NIOSH    | No established limit   |
| Proprietary surfactant  | Proprietary | OSHA     | No established limit   |
|                         |             | ACGIH    | No established limit   |
|                         |             | NIOSH    | No established limit   |

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

|                         |             | CARCINOGEN DATA |   |
|-------------------------|-------------|-----------------|---|
| MATERIAL                | CAS #       | VALUE           |   |
| Proprietary solvent     | Proprietary | 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 pH adjuster | Proprietary | 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 surfactant  | Proprietary | 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 surfactant  | Proprietary | 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 surfactant  | Proprietary | 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 ENGINEERING 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. |
| <b>OTHER WORK PRACTICES:</b> | See Product Data Sheet; See Section 2 - Hazards Identification - Prevention, for further details.  |

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|  |                     |
|--|---------------------|
| <b>APPEARANCE:</b>                             | Clear, amber liquid |
| <b>ODOR:</b>                                   | Not measured        |
| <b>ODOR THRESHOLD:</b>                         | Not measured        |
| <b>pH:</b>                                     | 2.6 (1% DI Water)   |
| <b>MELTING POINT / FREEZING POINT:</b>         | Not measured        |
| <b>INITIAL BOILING POINT AND BOILING RANGE</b> | Not measured        |
| <b>FLASH POINT:</b>                            | >200°F (>93 °C)     |
| <b>EVAPORATION RATE (ETHER = 1):</b>           | Not measured        |
| <b>FLAMMABILITY (SOLID, GAS):</b>              | Not applicable      |
| <b>UPPER / LOWER EXLOSIVE LIMIT:</b>           | Not measured        |
| <b>VAPOR PRESSURE (Pa):</b>                    | Not measured        |

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

|   |                     |
|---|---------------------|
| VAPOR DENSITY:  | Not measured        |
| SPECIFIC GRAVITY:   | 1.09 - 1.11 @ 20 °C |
| SOLUBILITY IN WATER:  | Not measured        |
| PARTITION COEFFICIENT <i>n</i> -Octanol/Water (Log <i>K<sub>ow</sub></i> ): | Not measured        |
| AUTO-IGNITION TEMPERATURE:  | Not measured        |
| DECOMPOSITION TEMPERATURE:  | Not measured        |
| VISCOSITY (cSt):  | Not measured        |
| VOC %:  | Not measured        |

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

Not chemically reactive.

**10.2 CHEMICAL STABILITY:**

Stable under normal conditions 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:**

NOTE: When no route-specific LD<sub>50</sub> data is available for an acute toxin, the converted acute toxicity point estimate was used in calculation of the product's ATE (Acute Toxicity Estimate).

| MATERIAL              | ORAL LD <sub>50</sub> ,<br>mg/kg | SKIN LD <sub>50</sub> , mg/kg | INHALATION VAPOR LC <sub>50</sub> ,<br>mg/L/4hr | INHALATION DUST/MIST LC <sub>50</sub> ,<br>mg/L/4hr |
|-----------------------|----------------------------------|-------------------------------|---|---|
| CORNBELT® SPRAY pHIX™ | >5,000.00                        | >5,000.00                     | >20.0   | Not Applicable                                      |

| 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                                   | 1        | Causes serious eye damage. |
| 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 exp.)   | ---      | Not Applicable             |
| Specific target organ systemic toxicity (repeated exp.) | ---      | Not Applicable             |
| Aspiration hazard                                       | ---      | Not Applicable             |

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

No additional information provided for this product.

**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.

**12.6 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****14.1 DOT UN NUMBER:**

UN1760

**14.2 DOT PROPER SHIPPING NAME:**

Corrosive Liquid, N.O.S. (contains Quaternary ammonium compound)

**14.3 DOT HAZARD CLASS / SUB CLASS:**

8 / Not Applicable

**14.4 DOT PACKING GROUP:**

II

**14.5 ENVIRONMENTAL HAZARDS:**

Marine Pollutant: Yes

**14.6 SPECIAL PRECAUTIONS FOR USER:**

Not Applicable

**14.7 CERCLA/DOT RQ:**

Not Applicable

**15. REGULATORY INFORMATION**

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 EPCRA SARA TITLE III CLASSIFICATIONS:**

See Section 2 - Hazards Identification, for further details.

**15.3 NFPA:**

|                 |   |
|-----------------|---|
| Health Hazards  | 3 |
| Flammability    | 0 |
| Instability     | 0 |
| Special Hazards | - |

**15.4 EPCRA 311/313 OR 302 CERCLA/SARA REPORTABLE QUANTITIES (>0.1%):**

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

**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:**

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

**15. REGULATORY INFORMATION, continued****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%):**

Methanol

**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.

**16. OTHER INFORMATION**

SDS VERSION: 3/21/2024

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.