



VAN DIEST SUPPLY COMPANY

Distributor and Manufacturer of Agricultural Chemicals

SAFETY DATA SHEET

1. IDENTIFICATION

- 1.1 GHS PRODUCT IDENTIFIER:** CORNBELT® GRIPTITE™ MSO
- 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:** Serious eye damage/eye irritation Category 2A
Skin corrosion/skin irritation Category 2

2.2 GHS LABEL ELEMENTS AND PRECAUTIONARY STATEMENTS:



WARNING

HAZARDS:

- H315 Causes skin irritation.
H319 Causes serious eye irritation.

PREVENTION:

- P261 Avoid breathing mist/vapors.
P264 Wash thoroughly after handling.
P271 Only use outdoors or in a well-ventilated area.
P280 Wear eye protection and protective gloves.

RESPONSE:

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P332+P313 IF SKIN IRRITATION OCCURS: Get medical advice/attention.
P362+P364 Take off contaminated clothing and wash before reuse.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P337+P313 IF EYE IRRITATION PERSISTS: Get medical advice.

- 2.3 UNCLASSIFIED HAZARDS:** None

3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS #	% IN FORMULATION
Proprietary blend of modified vegetable oil, surfactants, and solvent (1)(2)	N/A	75-100%

This product contains the following substances that are subject to the reporting requirements of SARA Title III, Section 313, and/or have workplace exposure limits:

MATERIAL	CAS #	% IN FORMULATION
2-Butoxyethanol (1)(2)	111-76-2	1-5%
Petroleum distillates; Base oil - unspecified (1)(2)	Trade Secret	1-10%

(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:**

EYE CONTACT:	Hold eye open and rinse slowly and gently with clean water for at least 10 minutes. Seek medical advice as appropriate.
SKIN CONTACT:	Remove contaminated clothing and clean skin thoroughly with soap and water. 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.
INHALATION:	Remove to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration if possible. Give nothing by mouth.

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

Overview: No adverse symptoms or effects anticipated under normal handling conditions.

EYES:	Causes serious eye irritation.
SKIN:	Causes serious skin irritation.

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

Alcohol resistant foam, CO₂, 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.

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. ACCIDENTAL RELEASE MEASURES, continued**6.2 ENVIRONMENTAL PRECAUTIONS:**

Keep spill away from drains, sewers, and bodies of water.

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.

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, strong alkalis, strong acids, and/or strong bases.

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

MATERIAL	CAS #	OSHA PEL	ACGIH TLV	NIOSH
2-Butoxyethanol	111-76-2	50 ppm (skin), 240 mg/m ³	20 ppm	5 ppm (skin), 24 mg/m ³
Petroleum distillates; Base oil - unspecified	Trade Secret	5 mg/m ³ 8hrs	5 mg/m ³ STEL: 10 mg/m ³ as oil mist	No established limit

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 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:	If splashing can be reasonably anticipated, for instance while pouring the product into another container, wear chemical splash goggles or visors.
SKIN CONTACT:	Where skin contact is possible, wear a suitable barrier such as chemical resistant gloves and a chemical apron. Preferred glove materials include: butyl rubber, nitrile, polyethylene, and/or PVC.
INGESTION:	Do not allow eating, drinking, tobacco use, and/or cosmetic application in areas where there is a potential for exposure to this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Clear, pale yellow liquid
ODOR:	Mild
ODOR THRESHOLD:	ND
pH:	5-6 (1% solution)
MELTING POINT:	ND
BOILING POINT:	ND
FLASH POINT:	>200°F (SETA FLASH CC)
EVAPORATION RATE:	ND
FLAMMABILITY:	N/A
UPPER/LOWER EXLOSIVE LIMIT:	ND
VAPOR PRESSURE:	ND
VAPOR DENSITY:	ND
SPECIFIC GRAVITY @ 68°F:	0.91-0.99 at 68°F
SOLUBILITY:	ND
PARTITION COEFFICIENT (<i>n</i> -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 under normal conditions.

10.2 CHEMICAL STABILITY:

Stable under normal conditions.

10.3 POSSIBILITY OF HAZARDOUS REACTIONS:

Will not occur.

10.4 CONDITIONS TO AVOID:

Extreme heat and contact with incompatible materials.

10.5 INCOMPATIBLE MATERIALS:

Oxidizing agents, strong alkalis, strong acids, strong bases.

10.6 HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition produces oxides of carbon and nitrogen.

11. TOXICOLOGICAL INFORMATION**11.1 LIKELY ROUTES OF EXPOSURE:**

Overexposure may occur by inhalation, ingestion, and absorption.

11.2 SKIN CORROSION/IRRITATION:

Category 2: Causes skin irritation.

11.3 SERIOUS EYE DAMAGE/IRRITATION:

Category 2A: Causes serious eye irritation.

11.4 RESPIRATORY OR SKIN SENSITIZATION:

This material is not suspected of being a sensitizer.

11.5 GERM CELL MUTAGENICITY:

This material is not suspected of being mutagenic.

11. TOXICOLOGICAL INFORMATION, continued**11.6 CARCINOGENICITY:**

This material is not suspected of being a carcinogen.

11.7 REPRODUCTIVE TOXICITY:

This material is not suspected of being a teratogen.

11.8 STOT-SINGLE EXPOSURE:

Overexposure by vapor inhalation may cause respiratory irritation.

11.9 STOT-LONG TERM EXPOSURE:

This material is not linked to long-term exposure effects.

11.10 ASPIRATION HAZARD:

This product does not meet the definition of an aspiration hazard.

11.11 ACUTE TOXICOLOGY:

INGESTION: Not applicable.

SKIN CONTACT: Not applicable.

INHALATION: Not applicable.

12. ECOLOGICAL INFORMATION**12.1 ECOTOXICITY:**

Ecotoxicity studies have not be conducted on this preparation.

12.2 PERSISTENCE AND DEGRADABILITY:

No data.

12.3 BIOACCUMULATIVE POTENTIAL:

No data.

12.4 MOBILITY IN SOIL:

No data.

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. Dispose of product containers, waste containers, and/or residues according to local, state, and federal regulations. All recovered materials must be packaged, labeled, transported, and/or disposed or reclaimed in conformance with applicable laws and in conformance with good engineering practices.

14. TRANSPORT INFORMATION

14.1 DOT/UN ID NUMBER: Not regulated

14.2 DOT/UN PROPER SHIPPING NAME: Not applicable

14.3 TRANSPORT HAZARD CLASSES: Not applicable

14.4 PACKING GROUP: Not applicable

14.5 MARINE POLLUTANT: No

14.6 ICAO/IATA: Not regulated

15. REGULATORY INFORMATION

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

15. REGULATORY INFORMATION, continued**15.1 EPCRA SARA TITLE III CLASSIFICATIONS:****SECTION 311/312 HAZARD CLASSES:**

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

SECTION 313 CHEMICALS: 2-Butoxyethanol

15.2 EPCRA 311/313 OR 302 CERCLA/SARA REPORTABLE QUANTITY:

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

15.3 PROPOSITION 65 CARCINOGENS (>0.0%):

1,4-Dioxane, naphthalene, and oxirane

15.4 PROPOSITION 64 DEVELOPMENTAL TOXINS, MALE REPRODUCTIVE TOXINS, FEMALE REPRODUCTIVE TOXINS (>0.0%):

Oxirane

15.5 NEW JERSEY AND PENNSYLVANIA RTK SUBSTANCES (>1%):

2-Butoxyethanol

16. OTHER INFORMATION

SDS VERSION: 9/4/2019

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.