



1. IDENTIFICATION

- 1.1 GHS Product Identifier:** Cornbelt® Premium Crop Oil Concentrate
- 1.2 Alternate Name(s):** None
- 1.3 Active Ingredient:** A proprietary blend of surfactants.
- 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 St.
Post Office Box 610
Webster City, Iowa 50595
- 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

<u>2.1 Hazard Classification:</u>	<u>Class</u>	<u>Category</u>
	Causes eye irritation	2B
	Causes mild skin irritation	5
	Harmful if swallowed	5
	Harmful if inhaled	2

2.2 GHS Label Elements and Precautionary Statements:



Warning

Hazards:

- H302 Harmful if swallowed.
H316 Causes mild skin irritation.
H320 Causes eye irritation.
H332 Harmful if inhaled.

Prevention:

- P261 Avoid breathing mists, vapors, or spray.
P264 Wash hands, face, and other affected areas thoroughly after handling.
P270 Do not eat, drink, or smoke while using this product.
P271 Use only outdoors or in well ventilated areas.

Response:

- P332+P313 If skin irritation occurs: Get medical advice/attention.
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/attention.
P304+P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.

Disposal:

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Material	Common Name/ Synonyms	CAS #	% in Formulation
Proprietary blend surfactants	NA	NA	20%
Lubricating oil distillates	NA	64742-58-1	80%

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 water for 15-20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice if symptoms persist.
	Skin Contact:	Remove contaminated clothing and wash before reuse. Rinse skin with plenty of water for 15-20 minutes. If skin irritation occurs, seek medical attention. Call a poison control center or doctor for treatment advice.
	Ingestion:	Call a poison control center or doctor immediately for treatment advice. Have the person rinse mouth and sip a glass of water if able to do so. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
	Inhalation:	Remove person to fresh air and keep comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for treatment advice.
4.2 Most Important Symptoms/Effects (acute and delayed):	Overexposure may cause skin, eye, and respiratory irritation.	
4.3 Indication of Need for Immediate Medical Attention:	If poisoning is suspected, or any symptoms are serious, immediately contact the poison control center, physician, or nearest hospital for instructions. Inform the contact of the name of the product, the type and amount of exposure, and symptoms the patient is experiencing. Repeated gross overexposure may cause injury to eyes and skin. Seek medical advice if severe or persistent eye or skin irritation occurs.	

5. FIREFIGHTING MEASURES

5.1 Suitable Extinguishing Media:	Use water spray, dry chemical, foam, or carbon dioxide (CO ₂).
5.2 Specific Hazards Arising from the Chemical:	Fight fire from a safe distance and protected location. Fight fire upwind to avoid hazardous vapors and decomposing products. Heat may build pressure and rupture closed containers, spreading fire and increasing the risk of injury. Empty containers may contain residue product and can be dangerous. Use water spray/fog for cooling containers and firefighters. Notify proper authorities if liquid material enters the sewer or public waters.
5.3 Special Protective Equipment and Precautions for Firefighters:	As with any fire, wear a self-contained breathing apparatus pressure demand, (MSHA/NIOSH approved or equivalent) and full protective gear. Evacuate nonessential personnel from area to prevent exposure to fire, smoke, fumes, or products of combustion. Dike and collect water runoff.

6. ACCIDENTAL RELEASE MEASURES

6.1 Spill and Leak Response:	Uncontrolled releases should be responded to by trained personnel using preplanned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.
6.2 Personal Protective Equipment:	The proper personal protective equipment for incidental releases (such as 1 liter of product released in a well ventilated area), use impermeable gloves, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, chemical resistant suit and boots, and hard hat. A self-contained breathing apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/MSHA approved, based on actual or potential airborne concentrations in accordance with the latest OSHA and/or ANSI recommendations.
6.3 Environmental Precautions:	Stop spill at source. Construct temporary dikes of dirt, sand, or appropriate readily available material to prevent spreading of material. Close cap or valves and/or block or plug hole in leaking container and transfer to another container. Keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate assistance
6.4 Containment and Cleanup:	Absorb spilled liquid with poly-pads or other absorbent materials. Clean up with non-combustible absorbent (such as sand, soil, etc.). Shovel up and place all spill residue in suitable containers. Dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal

7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling:	Follow all SDS/label precautions when using this product. Do not reuse the container.
7.2 Conditions for Safe Storage:	Store in cool dry place. Keep away from sparks, flame, static electricity, or other ignition sources.

8. EXPOSURE CONTROL/PERSONAL PROTECTION**8.1 Occupational Exposure Limits:**

Material	CAS #	OSHA PEL	ACGIH TLV	Carcinogen		
				NTP	IARC	OSHA
Proprietary blend surfactants (component)	NA	NE	TWA 5mg/m ³ STEL 10 mg/m ³	No	No	No
Lubricating oil distillates	64742-58-1	NE	NE	No	No	No

NE=Not established

8.2 Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash station and safety shower.

8. EXPOSURE CONTROL/PERSONAL PROTECTION, continued

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 OSHA standard chemical splash goggles.
Skin Contact:	For brief contact, no precautions other than clean body-covering clothing should be need. Use impervious gloves such as neoprene.
Ingestion:	Do not allow eating, drinking, tobacco use, or cosmetic application in areas where there is a potential for exposure to this material.
Inhalation:	Under normal operating conditions, no respiratory protection should be needed; however, use NIOSH/MSHA approved organic vapor respirator as necessary.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, yellow Liquid	Upper/Lower Explosive Limit:	ND
Odor:	Mild aromatic	Vapor Pressure:	ND
Odor Threshold:	ND	Vapor Density:	ND
pH:	5.5 – 8.0 (0.1%)	Relative Density:	ND
Melting Point:	ND	Solubility:	Dispersible
Boiling Point:	ND	Partition Coefficient (<i>n</i>-Octanol/Water):	ND
Flash Point:	>350°F	Auto-Ignition Temperature:	ND
Evaporation Rate:	ND	Decomposition Temperature:	ND
Flammability:	ND	Viscosity:	ND

ND=No Data; NA=Not Applicable

10. STABILITY AND REACTIVITY

10.1 Reactivity:	Non-reactive under normal conditions.
10.2 Chemical Stability:	Stable at ambient temperatures and atmospheric pressure.
10.3 Possibility of Hazardous Reactions:	Will not occur.
10.4 Conditions to Avoid:	Strong oxidizing agents. Isolate from open flames and heat.
10.5 Incompatible Materials:	Strong oxidizing agents.
10.6 Hazardous Decomposition Products:	Combustion may yield carbon oxides.

11. TOXICOLOGICAL INFORMATION

11.1 Likely Routes of Exposure:	Overexposure may occur by inhalation, ingestion, and absorption.
11.2 Skin Corrosion/Irritation:	May cause irritation to skin. Absorption through skin increases exposure. Prolonged exposure may cause more severe irritation such as local redness and swelling.
11.3 Eye Damage/Irritation:	May cause irritation to eyes including redness, tearing, blurred vision and discomfort.
11.4 Ingestion:	Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea. Do not taste or swallow product.
11.5 Respiratory or Skin Sensitization:	This material is not suspected of being a sensitizer.
11.6 Germ Cell Mutagenicity:	This material is not suspected of being mutagenic.
11.7 Carcinogenicity:	This material is not suspected of being a carcinogen.

11. TOXICOLOGICAL INFORMATION, continued

<u>11.8 Likely Routes of Exposure:</u>	Overexposure may occur by inhalation, ingestion, and absorption.
<u>11.9 Skin Corrosion/Irritation:</u>	May cause irritation to skin. Absorption through skin increases exposure. Prolonged exposure may cause more severe irritation such as local redness and swelling.
<u>11.10 Eye Damage/Irritation:</u>	May cause irritation to eyes including redness, tearing, blurred vision and discomfort.
<u>11.11 Ingestion:</u>	Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea. Do not taste or swallow product.
<u>11.12 Respiratory or Skin Sensitization:</u>	This material is not suspected of being a sensitizer.
<u>11.13 Germ Cell Mutagenicity:</u>	This material is not suspected of being mutagenic.
<u>11.14 Carcinogenicity:</u>	This material is not suspected of being a carcinogen.
<u>11.15 Reproductive Toxicity:</u>	This material is not suspected of being a teratogen.
<u>11.16 STOT-Single Exposure:</u>	May irritate the respiratory tract and cause discomfort to nose and throat. Overexposure by vapor inhalation is unlikely under normal handling conditions.
<u>11.17 STOT-Long Term Exposure:</u>	No information available.
<u>11.18 Aspiration Hazard:</u>	This product does not meet the definition of an aspiration hazard.
<u>11.19 Acute Toxicology:</u>	Based on products of similar composition: Ingestion: Oral LD ₅₀ >2,000 mg/kg Skin Contact: Dermal LD ₅₀ >2,000 mg/kg

12. ECOLOGICAL INFORMATION

<u>12.1 Ecotoxicity:</u>	Based on products of similar composition:		
	LC ₅₀ 96 hours	<i>Branchydanio rerio</i>	79.6 mg/L
	LC ₅₀ 96 hours	<i>Pimephales promelas</i>	3.2 mg/L
<u>12.2 Persistence and Degradability:</u>	No data.		
<u>12.3 Bioaccumulative Potential:</u>	No data.		
<u>12.4 Mobility in Soil:</u>	No data.		

13. DISPOSAL CONSIDERATIONS

<u>13.1 Disposal Method:</u>	Do not contaminate water, food, or feed by disposal.
<u>13.2 Product Disposal:</u>	P501 Disposal of contents/container must be in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules).
<u>13.3 Empty Container:</u>	Empty containers must be handled properly due to product residue.

14. TRANSPORT INFORMATION

<u>14.1 DOT Classification:</u>	Not regulated for ground transportation by US DOT.
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15. REGULATORY INFORMATION**EPCRA SARA Title III Classifications:**

Section 311/312 Hazard Classes: Acute and Chronic Health Hazard

CERCLA / SARA 302 Reportable Quantity: None

313 Reportable Ingredients: None

California Proposition 65:

<u>Component</u>	<u>CAS #</u>	<u>Amount</u>
Glycol Ethers	N/A	≤ 1.9%

16. OTHER INFORMATION

SDS Version: 6/22/2016

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.