CHIPPEWA VALLEY ETHANOL COMPANY, LLLP
270 20th St NW BENSON, MN 56215
320.843.4813 (8am-5pm M-F)
800.424.9300 (Chemtrec)

Section 1: PRODUCT IDENTIFICATION

Product Name: **Corn Oil**
Common Names: Corn Distiller's Oil, Feed Grade

Section 2: HAZARDS IDENTIFICATION

Physical Hazards	Not classified
Health Hazards	Not classified
Environmental Hazards	Not classified
OSHA defined hazards	Not classified
Label elements	
Hazard Symbol	None
Signal Word	Not available
Hazard Statement	Not available
Prevention	Not available
Response	Not available
Storage	Not available
Disposal	Not available
Hazard(s) not otherwise classified (HNOC)	None known
Supplemental information	None

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS #	% (BY VOL)
Corn Oil	**8001-30-7**	**100**

Section 4: FIRST AID

Inhalation Move to fresh air. Oxygen or artificial respiration if needed. IF exposed or concerned: Get medical advice/attention.

Skin contact Wash contact areas with soap and water. Remove contaminated clothing. Launder contaminated clothing before reuse. If skin irritation or an allergic skin reaction develops, get medical attention.

Eye contact Flush thoroughly with water. If irritation occurs, get medical assistance.

Ingestion Do NOT induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Call a poison control center immediately.

Most important symptoms/effects, acute and delayed Not available

Indication of immediate medical attention and special treatment needed Treat symptomatically.

General information Contact physician if discomfort continues

Section 5: FIRE AND EXPLOSION INFORMATION

FLASH POINT: (Tag closed cup) 489.2 °F (254 °C)
EXPLOSIVE LIMIT: LOWER NA UPPER NA
EXTINGUISHING MEDIA: Halon. Dry chemicals. Foam. Carbon dioxide (CO2). Water spray or fog. Do not use water jet as an extinguisher, as this will spread the fire..
HAZARDOUS DECOMPOSITION PRODUCTS: NA
FIREFIGHTING PROCEDURES: Cool containers exposed to flames with water until well after the fire is out. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Use pressurized air mask if product is involved in a fire..
SPECIAL FIRE & EXPLOSION HAZARDS: Slightly flammable to flammable in presence of heat.

NFPA CODES: HEALTH - 1 FLAMMABILITY - 1 REACTIVITY - 0

Section 6: ACCIDENTAL RELEASE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spills: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth or absorbent material then place into containers. Following product recovery, flush area with water

Section 7: HANDLING AND STORAGE

Handling: Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe gas/fumes/ vapor/spray. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: EXPOSURE CONTROL, PERSONAL PROTECTIVE EQUIPMENT

PERMISSIBLE EXPOSURE LEVEL: See Section 2.
EFFECTS OF ACUTE OVEREXPOSURE:
EYES: Can cause moderate irritation, redness, tearing.
SKIN: Can cause slight irritation.
BREATHING: Excessive NA
SWALLOWING: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea.
EFFECTS OF CHRONIC OVEREXPOSURE: NA
RESPIRATORY PROTECTION: NA
VENTILATION: Provide sufficient mechanical or general ventilation to maintain exposure below TLV(s).

PROTECTIVE GLOVES: Wear impervious gloves such as neoprene
EYE PROTECTION: Chemical splash goggles in compliance with OSHA regulations are advised; however, OSHA regulations also permit other type safety glasses (consult your safety equipment supplier).
OTHER PROTECTIVE EQUIPMENT: To prevent repeated or prolonged skin contact, wear impervious clothing/boots.

Section 9: PHYSICAL PROPERTIES

Boiling Point:	NA
Melting Point/freezing point	6.8°F (-14°C)
Vapor Pressure:	NA
Specific Vapor Density:	NA
Specific Gravity:	0.918 @ 60.00 °F (15.55 °C)
Appearance and Odor:	Yellow/Red, liquid with characteristic corn oil odor.
pH:	3.5-5

Section 10: STABILITY AND REACTIVITY

HAZARDOUS POLYMERIZATION: NA
STABILITY: Stable
INCOMPATIBILITY: NA

Section 11: TOXICOLOGICAL INFORMATION

Routes of Entry: Absorbed through skin. Eye contact.
Toxicity to Animals:
LD50: Oral [Rat] >100 ml/kg
LC50: Not available.
Chronic Effects on Humans: Not available.
Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.
Special Remarks on Toxicity to Animals: Not available.
Special Remarks on Chronic Effects on Humans:
No information on adverse reproductive effects on humans found. Corn oil is used a vehicle in many toxicology studies, and is thereby assumed not to exert important effects in its own right. In fact, the majority of reproductive and developmental toxicology studies using corn oil controls do not note adverse effects; however, there have been only a few studies that directly assess this issue, as follows: Adverse reproductive effects (biochemical and metabolic effects and developmental abnormalities on new born) were found when pregnant rats were fed extremely high amounts of corn oil (36,000 mg/kg and 12,500 mg/kg)
Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects:
Skin: May cause skin irritation. Low hazard for usual industrial handling.
Eyes: May cause transient irritation.
Inhalation: Low hazard for usual industrial handling
Ingestion: Ingestion of large amounts may cause gastrointestinal (digestive) tract irritation. Expected to be a low ingestion hazard.
Chronic Potential Health Effects: Repeated or prolonged contact may cause allergic reactions in sensitive individuals.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	Not expected to be harmful to aquatic organisms.
Persistence and degradability	Not inherently biodegradable.
Bioaccumulative potential	Bioaccumulation is unlikely to be significant because of the low water solubility of this product.
Mobility in soil	Not available.
Other adverse effects	No other adverse environmental effects are expected from this component

Section 13: WASTE DISPOSAL CONSIDERATIONS

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: TRANSPORTATION INFORMATION

Not a DOT controlled material.

Section 15: REGULATORY

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.
CERCLA/SARA Hazardous Substances - Not applicable

Section 16: OTHER

THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (THE HAZARD COMMUNICATION STANDARD)
The information accumulated herein is believed to be accurate, but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.