

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: **Condensed Distillers Solubles**
 Common Names: Syrup, CDS

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	Use good hygiene practices.
Response	Wash hands after handling.
Storage	Keep container tightly closed.
Disposal	Dispose of waste in accordance with local authority requirements.
Hazard(s) not otherwise classified (HNOC)	None known
Supplemental information	None

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS #</u>	<u>% (BY VOL)</u>
Condensed distillers Solubles	NA	100

Section 4: FIRST AID

Inhalation	Move to fresh air. Get medical attention if symptoms persist.
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	Seek medical attention if discomfort persists.
Most important symptoms/effects, acute and delayed	Irritant
Indication of immediate medical attention and special treatment needed	Treat symptomatically.
General information	Contact physician if discomfort continues

Section 5: FIRE AND EXPLOSION INFORMATION

EXTINGUISHING MEDIA: Water spray. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).

HAZARDOUS DECOMPOSITION PRODUCTS: NA

FIREFIGHTING PROCEDURES: Use appropriate protective equipment for surrounding materials.

SPECIAL FIRE & EXPLOSION HAZARDS: Not available.

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

Section 6: ACCIDENTAL RELEASE

Personal precautions, protective equipment and emergency procedures Wear appropriate personal protective equipment (See Section 8).

Methods and materials for containment and cleaning up Flush area with water. Prevent runoff from entering drains, sewers, or streams. Dike for later disposal.

Section 7: HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Observe good industrial hygiene practices.

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

Section 8: EXPOSURE CONTROL, PERSONAL PROTECTIVE EQUIPMENT

Occupational exposure limits No exposure limits noted for ingredient(s).

Biological limit values No biological exposure limits noted for the ingredient(s).

Exposure guidelines No exposure standards allocated.

Appropriate engineering controls Ensure adequate ventilation, especially in confined areas.

Individual Protection Measures, such as personal protective equipment:

EYES: Can cause moderate irritation, redness, tearing. Wear safety glasses with side shields (or goggles).

SKIN: Can cause slight irritation. Wear chemical-resistant, impervious gloves.

RESPIRATORY PROTECTION: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA 29 CFR 1910.134. Respirator type: Use NIOSH approved respirator with organic vapor/acid gas protection.

OTHER CONSIDERATIONS: Observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants

Section 9: PHYSICAL PROPERTIES

Appearance	Tan liquid
Physical state	Liquid
Form	Liquid
Color	Tan
Odor	Sweet
Odor threshold	Not available
pHe	Not available
Melting point/freezing point	Not available
Initial boiling point and boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available
Flammability limit - upper (%)	Not available
Explosive limit - lower (%)	Not available
Explosive limit - upper (%)	Not available
Vapor pressure	Not available
Vapor density	Not available

Relative density	Not available
Solubility (water)	Not available
Partition coefficient (n-octanol/water)	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Other information	Moisture (% by Wt.): ~60%
Weighted solids	~40 %

Section 10: STABILITY AND REACTIVITY

Reactivity	Not available.
Chemical stability	Stable under normal temperature conditions and recommended use.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to avoid	Avoid contact with strong oxidizing agents.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

Section 11: TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion	No harmful effects expected due to accidental ingestion.
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact	Prolonged contact may cause redness, irritation and dry skin.
Eye contact	May cause eye irritation on direct contact.
Symptoms related to the physical, chemical and toxicological characteristics	Irritant effects

Information on toxicological effects

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/eye irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization	
Respiratory sensitization	Based on available data, the classification criteria are not met.
Skin sensitization	Prolonged and repeated exposure may increase the risk of more serious skin disorders such as dermatitis and allergy.
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Carcinogenicity	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Reproductive toxicity	Based on available data, the classification criteria are not met.
Specific target organ toxicity (single exposure)	Based on available data, the classification criteria are not met.
Specific target organ toxicity (repeated exposure)	Based on available data, the classification criteria are not met.
Aspiration hazard	Based on available data, the classification criteria are not met.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	Not expected to be harmful to aquatic organisms.
Persistence and degradability	The product is expected to be biodegradable.
Bioaccumulative potential	The product is not expected to bioaccumulate.
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.