



# SAFETY DATA SHEET

## SECTION 1 – IDENTIFICATION OF THE MIXTURE AND OF THE SUPPLIER

**Product name:** Nutri-Plex Pro™  
**Product code:** 6570-05  
**Description:** Yeast nutrient complex  
**Product use:** Production of ethanol  
**Supplier name and address** Lallemand Biofuels & Distilled Spirits  
 6120 West Douglas Avenue  
 Milwaukee, WI 53218  
  
**Information telephone:** +1 (414) 393-0410  
**Emergency telephone:** Contact your local doctor or hospital

## SECTION 2- HAZARD IDENTIFICATION

### Classification of the substance or mixture

**Corrosive Irritant** Direct eye contact may cause severe irritation, redness pain blurred vision and burns possibly severe  
 Inhalation of dust may cause irritation of the respiratory tract with sore throat, coughing, shortness of breath and pain in the nose throat and burns to the mucous membranes.  
 Direct contact with skin may cause severe irritation.  
 Ingestion may cause a burning pain in the mouth and throat, nausea and severe abdominal pain.

**Environmentally Damaging** Hazardous to aquatic environments

**Signal Word** Danger

### Label element



**Hazard Statements** Causes serious eye damage

Harmful if swallowed

Toxic to aquatic life

**Precautionary Statements** If medical advice is needed have product SDS at hand  
 Do not eat, drink or smoke when using this product  
 Wear protective clothing, gloves, eye protection  
 Wash thoroughly after handling  
 Avoid release into the environment

**Other Hazards** Contains yeast and fungal enzymes.

## SECTION 3– INFORMATION ON INGREDIENTS

Ingredients	CAS #	% by Wt	LD <sub>50</sub> Oral Rat	OSHA PEL	ACGIH TLV
Ferrous Sulfate	7782-63-0	15-20	Not determined for mixture	Not established	Not established
Zinc Sulfate	7446-20-0	20-25	Not determined for mixture	Not established	Not established



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## SECTION 4– FIRST AID MEASURES (If any symptoms persist, seek medical attention)

### Emergency and First aid procedures

<b>Eye contact:</b>	Flush eyes for at least 15-20 minutes. Remove contact lenses. Seek medical attention immediately
<b>Skin contact:</b>	Wash affected area with soap and water. Seek medical attention or advice if irritation persists
<b>Inhalation:</b>	Immediately remove person to fresh air. If allergic respiratory reaction or signs of toxicity occurs seek medical attention.
<b>Ingestion:</b>	Remove from source of exposure. Rinse mouth thoroughly with water. Do not induce vomiting unless directed to do so by a physician. Get medical attention immediately.

### Most important symptoms and effects both acute and delayed.

Irritation, nausea, shortness of breath, burning of eyes, redness eye damage

### Indication of any immediate medical attention and special treatment needed:

If seeking medical attention provide SDS document to physician.

## SECTION 5 – FIRE FIGHTING MEASURES

<b>Extinguishing media:</b>	Use appropriate medium for underlying cause of fire
<b>Protective equipment:</b>	Wear protective clothing and self-contained breathing apparatus (SCBA) in confined spaces
<b>Hazardous combustion products:</b>	Combustion products may include irritating gases and vapors, carbon and sulfur oxides, ammonia
<b>Firefighting:</b>	Do not use water directly on material. Avoid breathing vapors. Dike area to prevent runoff and contamination of water source.
<b>Special exposure procedures:</b>	Avoid inhalation of combustion products

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, equipment and procedures</b>	Wear protective equipment. Avoid contact with skin and eyes and inhalation of dust. Do not handle this product if you have known allergies to zinc or yeast or enzymes.
<b>Environmental precautions</b>	Prevent from reaching drains, sewers or water way
<b>Method and materials for containment and cleaning up</b>	Avoid dust formation. Pick up product by scooping, shoveling or vacuuming and place into containers for disposal. Wash thoroughly after handling

## SECTION 7– HANDLING & STORAGE

<b>Handling:</b>	Avoid breathing dust. Avoid contact with eyes, skin and clothing. Wear protective equipment. Wash thoroughly after handling. Do not handle if you have any known allergies to yeast or zinc.
<b>Storage:</b>	Store in a cool dry area. Do not store directly on the ground.

## SECTION 8– EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Control parameters</b>	Occupational exposure limits not determined
<b>Engineering Controls</b>	Emergency eye wash fountains or safety showers should be available in the immediate vicinity of use/handling. Use local exhaust
<b>Skin Protection</b>	Wear latex or other impervious gloves
<b>Eye Protection</b>	Safety glasses or goggle should be worn.
<b>Respiratory Protection</b>	An approved NIOSH respirator should be worn when exposures are expected to be high

## SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	Coarse brown powder
<b>Odor:</b>	Odorless to mild savory odor.
<b>Odor threshold:</b>	Not determined
<b>pH</b>	Not determined
<b>Melting point/Freezing point</b>	Not determined
<b>Solvent Solubility</b>	Not determined
<b>Solubility</b>	Not determined



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## SECTION 10– STABILITY AND REACTIVITY

<b>Reactivity:</b>	Stable under normal conditions of use
<b>Incompatibility:</b>	Strong acids, Strong bases and oxidizing agents.
<b>Conditions to avoid:</b>	Exposure to moist air or water. Store away from incompatible materials
<b>Thermal decomposition temperature</b>	Not determined
<b>Hazardous decomposition products:</b>	Thermal decomposition products may include toxic hazardous oxides of zinc and sulfur, iron oxide and carbon oxides (CO, CO <sub>2</sub> )

## SECTION 11 – TOXICOLOGICAL INFORMATION

<b>Toxicity data:</b>	Not determined
<b>Local effects:</b>	Can cause serious eye irritation. Inhalation of dust and contact with the skin can cause severe irritation.
<b>Sensitization:</b>	Possible allergic sensitization as product contains yeast, zinc and enzymes

## SECTION 12 ECOLOGICAL INFORMATION

<b>Aquatic toxicity</b>	Do not allow this material to enter the environment
<b>Biodegradation</b>	Not determined
<b>Mobility in the soil</b>	An aqueous solution of this product containing zinc sulfate has a high mobility in soil

## SECTION 13– DISPOSAL CONSIDERATIONS

Do not allow product to reach sewage system or open water. Disposal should be made in accordance with Federal, State/Provincial and local regulations.

## SECTION 14 – TRANSPORT INFORMATION

Not a DOT or TDG (Canada) controlled material  
 The following transport information applies to **Zinc sulfate** only. This product is not regulated in surface transportation in bulk quantities. The information below is for shipments exceeding 1,000 lb in a single package, container, truck or railcar.  
 DOT SHIPPING NAME  
 Environmentally hazardous substances, solids (Zinc sulfate monohydrate) class 9, UN 3077 PGIII, RQ  
 DOT Hazard Class or Division: 9  
 DOT Identification Number UN 3077  
 DOT Packing Group: III  
 DOT Reportable Quantity: 1000 lbs/454 kg  
 DOT Labelling Requirement: Class 9

## SECTION 15 – REGULATORY INFORMATION

TSCA (Toxic Substances Control Act) Zinc sulfate and Ferrous sulfate are listed  
 SARA Sections 311/312 Acute Hazard  
 Canadian Domestic Substances List (DSL) Zinc sulfate and Ferrous sulfate are listed

## SECTION 16– OTHER INFORMATION

SDS Date of Preparation: March 2, 2018, Reviewed March 2020

The information herein is based on current available data and is believed to be correct. No warranty, express or implied, is made regarding data accuracy, merchantability or hazards associated with product use. The user is responsible for determining product suitability, conditions of use and all associated hazards. Values listed in this document are not product specifications.