



SAFETY DATA SHEET

SECTION 1 - PRODUCT & COMPANY IDENTIFICATION

Product name: Nutri-Plex Omni™
Product code: 6560-05
Description: Yeast nutrient complex
Product use: Ethanol production
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 redness and possibly burns.
 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

Hazard Statements Causes serious eye damage
 Toxic to aquatic life with long lasting effects

Hazard Symbols



Precautionary Statements Wear protective gloves/eye protection/face mask
 Avoid release into the environment
 Wash thoroughly after handling
 Do not eat, drink or smoke when using this product
Other Hazards If medical advice is needed have product SDS at hand
 Contains yeast and fungal enzymes

SECTION 3- DATA ON COMPONENTS

Ingredients	CAS #	% by Wt	LD ₅₀ Oral Rat	OSHA PEL	ACGIH TLV
Diammonium phosphate DAP	7783-28-0	10-15	Not determined	Not established	Not established
Zinc Sulfate	7446-20-0	20-25	Not determined	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

Eye contact:	Flush eyes for at least 15-20 minutes. Remove contact lenses. Seek medical attention immediately
Skin contact:	Wash affected area with soap and water. Seek medical attention or advice if irritation persists
Inhalation:	Immediately remove person to fresh air. If allergic respiratory reaction or signs of toxicity occurs seek medical attention.
Ingestion:	Remove from source of exposure. Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention immediately. Have individual drink sips of water or milk

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

Extinguishing media:	Use appropriate medium for underlying cause of fire
Protective equipment:	Wear protective clothing and self-contained breathing apparatus
Hazardous combustion products:	May contain toxic and hazardous oxides of zinc, magnesium and sulfur
Firefighting:	Do not use water directly on material. Avoid breathing vapors. Dike area to prevent runoff and contamination of water source.
Special exposure procedures:	Avoid inhalation of combustion products

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Personal precautions, equipment and procedures	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, yeast or enzymes.
Environmental precautions	Prevent from reaching drains, sewers or water way
Method and materials for containment and cleaning up	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

Handling:	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 zinc, yeast or enzymes
Storage:	Product is hygroscopic. Store in a dry place away from strong oxidizers, alkalis, caustic products, strong acids, copper and it's alloys

SECTION 8– EXPOSURE CONTROLS / PERSONAL PROTECTION

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

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Tan to white free flowing powder
Odor:	Odorless to mild savory odor.
Odor threshold:	Not determined
pH	Not determined
Melting point/Freezing point	Not determined
Solvent Solubility	Not determined
Solubility	Not determined



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SECTION 10– STABILITY AND REACTIVITY

Reactivity:	Stable under normal conditions of use
Incompatibility:	Strong bases, calcium, alkali carbonates/hydroxides. Lead, copper and its alloys
Conditions to avoid:	Product may warm up in water. Do not allow spilled material to contaminate water source. Avoid contact with strong oxidizers and or excessive heat.
Thermal decomposition temperature	Not determined
Hazardous decomposition products:	Thermal decomposition products may include toxic hazardous oxides of zinc and sulfur

SECTION 11 – TOXICOLOGICAL INFORMATION

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

SECTION 12 ECOLOGICAL INFORMATION

Aquatic toxicity	Do not allow this material to enter the environment
Biodegradation	Not determined
Mobility in the soil	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 Labeling Requirement: Class 9

SECTION 15 – REGULATORY INFORMATION

TSCA (Toxic Substances Control Act) Zinc sulfate and diammonium phosphate are listed

SARA Sections 311/312 Acute Hazard

Canadian Domestic Substances List (DSL) Zinc sulfate and diammonium phosphate are listed

SECTION XVI – OTHER INFORMATION

SDS Date of Preparation: July 2016, Reviewed January 2018, January 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.