

ISM Biofertil NPK®

LIQUID ORGANIC FERTILIZER



SAFETY DATA SHEET

Organic Agricultural Supplies
Presentations: 1000 lts and bulk.

Section 1: Identification

Recommended use:

Application through irrigation systems, flood irrigation, channels, irrigation by immersion, drip irrigation, fertigation, hydroponic irrigation and spate irrigation

Chemical name or code: Not apply

Commercial name: ISM Biofertil NPK

Other information:

Name o CAS number: N/A

Chemical family: N/A

Synonym: N/A

Company

Name: La Ilusión de San Marcos S. P.R. de R.L.

Address: 1990 Juan Spada Grossi Prol., San Marcos, Tonila Jalisco

Telephone: + (52) 312 321 7320

Mobile: + (52) 312 147 02 67/ + (52) 312 147 02 66

From 08:00-17:00 hrs

Section 2: Hazards Identification

Stability: Stable

Incompatibility: None known

Conditions to avoid: None

Decomposing products: None

Polymerization risk: None

NFPA Clasificación		
Health	0	The NFPA hazard diamond consists of four colored quadrants: red (top), blue (left), yellow (right), and white (bottom). Each quadrant contains a black number. In this case, all four numbers are '0'.
Flammability	0	
Reactivity	0	
Components		



Animal by-products

Eco-friendly


**EMPRESA
SOCIALMENTE
RESPONSABLE**


Section 3: Composition- Information on ingredients

Name: ISM Biofertil NPK

Commercial name: ISM Biofertil NPK

Classification: Organic Fertilizer

Description: Reddish brown liquid

CAS: Not apply

RCSO: Pending

Hazard components name	CAS No.	ONU No.	UMPECT PPT	UMPECT	LMPEP	IPVS	Classification of degrees of risk				
							H	F	R	ESP	EPP
ISM Biofertil NPK	N/A	N/A	N/A	N/A	N/A	N/A	0	0	0		

Section 4: First- Aid measures

Description of first aid measures

Ingestion: Do not induce vomiting, unless recommended by medical personnel. If victim is conscious wash out mouth with water and give 1 or 2 glasses of water to drink. If spontaneous vomiting occurs, keep head below hips level. Seek medical attention.

Inhalation: Move person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, trained personnel should give oxygen. If problem develops or persists, seek medical attention.

Skin contact: Flush with abundant water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Avoid touching eyes. If a problem develops, seek medical attention.

Eye contact: Flush with plenty of water. Remove contact lenses. Flush with water for at least 15 minutes. Hold eyelids apart to rinse properly. If a problem develops or persists, seek medical attention.

Symptoms: May cause eye irritation or eye damage. May cause skin irritation. High concentrations may cause nervous system depression characterized by headache, dizziness, vertigo, nausea, drowsiness and fatigue.

Notes to physician: Treat according to person condition and specifics of exposure. If lavage is performed, suggest endotracheal and/or esophageal control. Danger from lung aspiration must be weighed against toxicity when considering emptying the stomach. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

Section 5: Fire – Fighting Measures

Flammable point: Not Apply


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Suitable extinguishing media: Dry chemical, Carbon Dioxide (CO₂). Flood the area with water.

High: Not Apply

Low: Not Apply

Special equipment to extinguish fire: Fire extinguisher, avoid some fumes.

Fire or explosion hazards: None

Firefighter's protective equipment: Double-filter mask.

Section 6: Accidental Release Measures

Personal protection equipment: Gloves, mask, non-slip rubber boots, overall and protective glasses.

Methods for cleaning up: Sweep the excess spilled material for recycling or elimination. Follow the local regulations for waste elimination-disposal.

Precautions to avoid danger: The remaining spilled material can be washed with abundant water. Make sure the sewer is free.

Section 7: Handling and Storage

Precautions for safe handling: Avoid excessive heat and moisture. Use only in well ventilated area. Avoid breathing dust and fume. Avoid contact with skin, eyes and clothing. Wear eye protection, gloves and other protective clothing that are adapted to the task being performed and the risk involved. Do not eat, drink or smoke during use. Keep container tightly closed when not used. Keep away of heat and open fire. After use, wash hands with soap and water. Wash contaminated clothing before reuse.

Conditions for safe storage: Storage tank should have certain design features for maximum safety and the vapor space should be free of sources of ignition. Storage tightly closed and in properly labelled container. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep away from moisture.

Keep away from direct sunlight and heat.

Section 8: Exposure Controls and Personal Protection Measures

Eyes protection: Wear protective glasses to avoid risk of contact with eyes.

Skin protection: Wear adequate work clothing: jeans and long-sleeve.

Respiratory protection: Wear industrial face shield. If severe explosion occurs, use the safety showers, if not available, wash with abundant water

Section 9: Physical and Chemical Properties

Physical state: Liquid

Liquid color: Brown

Odor: Typical organic

Ph: 6.5 to 7

Solubility: High

Specific weight: 1.05 g/cm³

Evaporation: N/A

Volatility: N/A

Flammability: N/A

Section 10: Stability and Reactivity



Toxicity: N/A
Reactivity: N/A
Incompatible materials: N/A
Chemical Stability: N/A

Section 11: Toxicological Information

Inhalation toxicity: Low ammonia concentration <5ppm
Oral toxicity: N/A
Skin toxicity: N/A

Section 12: Ecological information

Degradability: ISM Biofertil NPK mixes with the soil after some time.
PH Levels: Depend on soil level, the product may alter Ph. where applied.
Other side effects: None
Toxicity: Not risk

Section 13: Disposal Considerations

Handling for disposal: Prevent waste generation. Use in full. Do not puncture, cut, heat or burn container, even after use. Do not throw residual to sewer, streams, sewers or drinking water supply. Return empty container properly labeled to supplier or everywhere there is a recovery program. Dispose via licensed waste disposal contractor. Observe all federal, state and municipal regulations. If necessary, consult the Department of Environment or relevant authorities.

Section 14: Transportation information

This material do not classify as dangerous. It is not under any transport regulation.

Section 15: Regulatory information

Process: Organic process is certified by **OMRI ISM- 6995**
Certimex: NOP, JAS, LOOAA and CERTIMEX.
Labelling: Package is under **NOM-182-SSA1-1998** labelled as vegetal nutriments, **NOM-018-STPS-2000** for chemical substances.
Semadet: Collection and processing permit.

Section 16: Other information

Elaboration date: January 5th, 2019
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