

# **SAFETY DATA SHEET (SDS)**

SDS Nr.	157000
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## **SECTION 1.**

### **COMPANY IDENTIFICATION & PRODUCT INFORMATION**

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NAME USED ON LABEL	Nutrivo
SYNONYMS	Unique
PRODUT USE:	Water Soluble Nutrient & Plant Health Enhancer
UN Nr.	Not Regulated

## **SECTION 2.**

### **HAZARDOUS IDENTIFICATION**

GHS (Pictogram)	Protective Clothing
	

**Signal Word**

**WARNING**

<b>Hazard Class</b>	<b>Hazard Category</b>
<b>Eye Irritation</b>	<b>2B</b>
<b>Acute Toxicity (Oral)</b>	<b>4</b>

### **GHS Hazard Statement**

H333- May be harmful if inhaled  
H320 – Causes Eye Irritation.  
H303 – May be harmful if swallowed

<b>GHS Precautionary Statement</b>	
P264 – Wash hands thoroughly after handling	
P280 – Wear protective gloves/clothing.	
P102 – Keep out of reach of children.	
P101 – If medical advice is needed, have product container or label at hand.	

PHYSICAL / CHEMICAL HAZARDS	Not applicable
HUMAN HEALTH HAZARDS	Irritating to skin and risk of severe irritation to eyes
INHALATION EXPOSURE	Causes irritation to mucous membranes, move to fresh air.
INGESTION	Slightly hazardous. May Cause irritation to gastrointestinal tract
SKIN CONTACT	Wash with soap and running water
EYE CONTACT	Irritating to the eye. Wash with running water.
CHRONIC (PROLONGED) EXPOSURE	No information available
AGRIVATING CONDITIONS WITH COMBINATIONS	No information available

**SECTION 3.**  
**COMPOSITION & INFORMATION ON INGREDIENTS**

<b>Identity</b>	<b>CAS-No.</b>	<b>% w/w</b>	<b>Symbol</b>
Phosphite	13492-26-7	>= 25 - < 35	C; Xi

Ingredients not identified are confidential or non hazardous. Values on SDS are not product specifications

**SECTION 4.**  
**FIRST AID MEASURES**

IF IN HALLED	Remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Do NOT give mouth-to-mouth resuscitation if the victim ingested the substance. If breathing is labored give oxygen. Keep the victim at rest and warm. Obtain immediate medical advice
IF SWALLOWED	If the victim is alert and not convulsing, give the person ½ to one full glass of water to

	rinse the mouth with. Do not induce vomiting, unless under direction of a physician or a poison control center expert. If spontaneous vomiting occurs, have the victim lean forward with the head down to avoid breathing in of vomit, rinse mouth and administer water. Transport the victim immediately to an emergency facility.
IF ON SKIN	Flushing the skin with running water. If irritation persists repeat rinse. Seek medical advice if required.
IF IN EYES	Immediately flush eyes with running water for a minimum of 15 minutes. Hold eyelids open during flushing. Seek medical advice immediately.

**MEDICAL ADVICE:** Symptomatic treatment and supportive therapy as indicated above

**SECTION 5.**

**FIRE FIGHTING MEASURES**

<b>AUTO IGNITION TEMPERATURE (°C)</b>	<b>Not Auto-Flammable, Non-Combustible</b>
<b>FLASH POINT (°C)</b>	<b>No Flash</b>

EXSTINGUISHING MEDIA	For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires use foam or water-fog; avoid using water jet. Contain run-off with barriers, e.g. earth.
FIRE & EXPLOSION HAZARDS	The product is very difficult to combust, but can be burned. Keep fire exposed containers cool by spraying with water. Container could explode when heated.
PROTECTIVE EQUIPMENT	Wear full protective clothing and NIOSH-approved self-contained breathing apparatus. Fire might produce irritating or poisonous vapors, mists or other combustion products.

**SECTION 6.**

**ACCIDENTAL RELEASE MEASURES**

PERSONAL PRECAUTIONS	Ventilate area of spill or leak. Ensure suitable personal protection during removal of spills. Wear eye protection, chemically resistant gloves, boots and coveralls.
CLEANING METHODS	Absorb spillages onto sand, earth or any suitable absorbent material. Transfer to a container for disposal. Wash the spillage area with water. Washing must be prevented from entering surface

	water drains. Seal drums and dispose of contaminated material in a facility permitted for hazardous waste. Large spills should be handled according to a spill remediation plan.
DEACTIVATING CHEMICALS	None Known
ADDITIONAL INFORMATION	Spillages or uncontrolled discharges into water sources must be alerted to the appropriate regulatory body.

**SECTION 7.**  
**HANDLING AND STORAGE**

SAFE HANDLING	Practice good industrial housekeeping practices
STORAGE REQUIREMENTS	Store in original containers with lid closed. Keep in cool and dry area. Protect the containers from physical damage.
STORAGE TEMPERATURE	Do not expose sealed containers to temperatures exceeding 48°C. No Special precautions required.

**SECTION 8.**  
**EXPOSURE CONTROL/PERSONAL PROTECTION**

VENTILATION CONTROL	Dilution ventilation is a satisfactory health hazard control. Where discomfort is caused to workers, a local exhaust system should be installed. Special Precautions: Avoid breathing vapors or aerosols for prolonged periods.
EYE PROTECTION	Eye contact with the material should be avoided through the use of chemical safety glasses, goggles or face shields. Maintain eye wash fountain and quick drench facilities in work areas
SKIN PROTECTION	Gloves and protective clothing made from Viton or PVC should be used. Verify impermeability under normal usage conditions.

**SECTION 9.**  
**PHYSICAL & CHEMICAL PROPERTIES**

FORM	Liquid
COLOUR	Clear, light brown
ODOUR	Characteristic
BOILING POINT (°C)	> 100 °C
MELTING POINT (°C)	Not Applicable
VAPOR PRESSURE (mmHg)	No Data
SPECIFIC GRAVITY (g/cm <sup>3</sup> )	1.35 g/cm <sup>3</sup> (20 °C)
SOLUBILITY	Forms a liquid solution in water

pH-Value	Slight Acidic (5.2 in 1 % solution)
FLASH POINT (°C)	86.5 °C
EXPLOSIVE PROPERTIES	Non-Explosive

**SECTION 10.**  
**STABILITY & REACTIVITY**

STABILITY	Stable under normal storage and usage conditions
INCOMPATIBILITY	Strong Oxidizing agents. Can be made to burn under fire conditions.
HAZARDOUS POLYMERISATION	Will not occur
HAZARDOUS DECOMPOSITION	Carbon Dioxide, Carbon Monoxide, and possibly irritating gases may form
CONDITIONS TO AVOID	Heat, flames, ignition sources and incompatibles
THERMAL DECOMPOSITION	Toxic fumes may be released when decomposed by heating.

**SECTION 11.**  
**TOXICOLOGICAL INFORMATION**

ORAL LD50 (Rat)	1 895 mg/kg
DERMAL LD50 (Rat)	> 2 000 mg/kg
INHALATION LC50 (Rat)	> 2 mg/l after 4 hours
OTHER EFFECTS OF OVEREXPOSURE	Potassium salts of Phosphorous Acid has a low toxicity level and history.
CARCINOGENIC EFFECTS	Not listed as carcinogenic
REPRODUCTIVE TOXICITY	Not listed as reproductive or developmental toxin


**SECTION 12.**  
**ECOLOGICAL INFORMATION**

ENVIRONMENTAL FATE	The product is soluble in water and easily biodegradable. It is not expected to accumulate in the environment.
ENVIRONMENTAL TOXICITY	No information available

**SECTION 13.**  
**DISPOSAL CONSIDERATIONS**

Dispose contaminated absorbents, surplus product, etc. in a facility permitted for hazardous waste. Surfactants can cause foaming problems in biological wastewater treatment plants.
Empty containers should be rinsed and disposed of in accordance to local waste disposal legislation. Do not reuse containers

**SECTION 14.**  
**TRANSPORT INFORMATION**

UN number	3264
Shipping name	Hazardous Liquid (Phosphorous Acid)
ADR/RID Class IATA-DGR Class Packaging Instruction (Cargo Aircraft) Packaging Instruction (Passenger Aircraft) Marine Pollutant	Class 8, Packaging Group III Class 8, Packaging Group III — — No
ADR/RID Label	

**SECTION 15.**  
**REGULATORY INFORMATION**

NATIONAL LEGISLATIONS	National Road Traffic Act, 1996 (Act 93 of 1996) Fire Brigade Service Act, 1987 (Act 99 of 1987) Occupational Health & Safety Act, 1993 (Act 85 of 1993)
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**SECTION 16.**  
**OTHER INFORMATION**

The Information contained in this SDS is offered as a guide to handle specific material and is based on the current scientific and technical knowledge at the date indicated on the present SDS. This information is provided in good faith and believed to be accurate and correct. This information is not intended to be all inclusive and the manner and conditions of use and handling may involve other additional considerations. No warranty of any kind is given or implied by IN LINE TRADING and IN LINE TRADING will not be liable for any damages, injuries or consequential damages which may result from the use of or reliance on any information contained herein. It remains the responsibility of persons in receipt of this SDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with this product. Upon receipt of any changes a new SDS will be made available

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