



# Safety Data Sheet

SDS No.:  
SDS-IM/FG-N/04

NutriSmart

Revision: 2, 1<sup>st</sup> Issue

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## Section 1: Identification of the Hazardous Chemical and of the Supplier

### 1.1 Product Identifier

Product Name: Yeast Fertilizer  
Trade Name: NutriSmart  
Active Ingredient: Mixture of yeast powder (*Saccharomyces cerevisiae*),  
lignite/leonardite, starch and water  
CAS No.(AI): No data  
Structural Formula: -  
Recommended Usage: Plant nutrition

### 1.2 Supplier's Information

Address: Agricultural Chemicals (M) Sdn. Bhd.  
962, Lorong Perusahaan 8  
Taman Perindustrian Perai  
13600 Perai , Pulau Pinang  
Malaysia  
Tel.: +6-04-3907988  
Fax: +6-04-3905703  
Web: [www.agrichem.com.my](http://www.agrichem.com.my)  
Emergency Phone: +6-04-3907988

## Section 2: Hazard Identification

Classification: Not classified as hazardous under CLASS Regulation 2013  
Pictogram: Not applicable  
Signal Word: Not applicable  
Hazard Statement: Not applicable  
Precautionary Statement: Not applicable

## Section 3: Composition and Information of the Ingredients of the Hazardous Chemical

Component	CAS No.	Weight, %	Hazard Code
Yeast powder	-	2 – 4	No data
Total Organic Matter	-	30 - 50	No data
Carbohydrate Content	-	< 5	No data
Water	7732-18-5	≤ 3%	Not classified



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## Section 4: First-aid Measures

Call a POISON CENTER or doctor/physician if you feel unwell.

Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical advice if necessary.
Skin Contact:	Rinse skin with water/shower.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15-20 minutes.
Ingestion:	Induce vomiting if the person is conscious.
Symptoms:	No data available
Notes to Physician:	No data available

## Section 5: Fire-fighting Measures

Suitable Extinguishing Media:	Carbon dioxide (CO <sub>2</sub> ), dry chemical, foam, water spray
Specific Hazard During Fire:	Not applicable
Special Protective Equipment:	Fire fighters should wear full-faced self-contained breathing apparatus and protective clothing.
Other Information:	None

## Section 6: Accidental Release Measures

Personal Precautions:	Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.
Environmental Precautions:	Avoid release to the environment.
Method for Cleaning Up:	Wear protective clothing as indicated in Section 8. Collect spills into a drum. Cover up the contaminated area with household detergent and small amount of water. Brush the slurry and spread inert absorbents on the slurry liquid and collect the absorbed material in a drum. Seal drum and dispose of.

## Section 7: Handling and Storage

Precautions for Safe Handling:	Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Keep material dry. Maintain within 0 – 30°C. Heat or cold may
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Conditions for Safe Storage: Store in a well ventilated place. Keep container tightly closed, away from high frequency, strong magnetic and electric fields.

Incompatibles: Water and strong oxidizers.

## Section 8: Exposure Control and Personal Protection

Exposure Limit: No data available

Engineering Control: General ventilation or local exhaust ventilation

Individual Protection Measure: Do not handle until all safety precautions have been read and understood.

Personal Protective Equipment:

- Eye Protection: Goggles
- Skin Protection: Gloves
- Respiratory Protection: Face mask

## Section 9: Physical and Chemical Properties

Appearance: Spherical, black or dark grey granule

Odour: Odourless when dry. Musty or yeasty smell when wet

Odour Threshold: No data

pH: No data

Melting/Freezing Point: No data

Initial Boiling Point: No data

Boiling Range: No data

Flash Point: Contains combustible material but not inflammable

Evaporation Rate: No data

Flammability: No data

Upper Flammability Limit: No data

Lower Flammability Limit: No data

Vapour Pressure: No data

Vapour Density: No data

Relative Density: > 1

Solubility in Water: Insoluble in water

Partition Coefficient  $P_{o/w}$ : No data

Auto-ignition Temperature: No data

Decomposition Temperature: No data

Viscosity: No data

## Section 10: Stability and Reactivity

Reactivity: Biological active ingredient reacts to water

Chemical Stability: The material is stable under dry condition

Hazardous Reaction: No data

Condition to Avoid: High humidity, high frequency, strong magnetic and electric fields



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Incompatible Material: Water and strong oxidizers

Hazardous Decomposition Product: Biologically activated product may produce CO<sub>2</sub>, ethanol and methane. Chemical oxidation may produce CO<sub>2</sub>, CO, SO, SO<sub>2</sub> and methane.

## Section 11: Toxicological Information

11.1 Acute Toxicity No data available.

### 11.2 Chronic Effect from Short and Long Term Exposure

Skin Contact: No data available  
Eye Contact: Mechanical irritation of the eyes.  
Inhalation: Mechanical irritation of the nose and throat  
Skin Sensitization: May induce allergic reaction in individuals sensitive to cereal or yeast products.  
Ingestion: No data available  
Carcinogenicity: No data available  
Mutagenicity: No data available  
Teratogenicity: No data available

11.3 Symptoms No data available.

## Section 12: Ecological Information

Ecotoxicity: No data available  
Persistence and Degradability: No data available  
Bioaccumulative Potential: No data available  
Mobility in Soil: No data available  
Other Adverse Effect: No data available

## Section 13: Disposal Information

Dispose of contents/container to Kualiti Alam / authorized body by DOE.

## Section 14: Transportation Information



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<b>Land (ADR/RID)</b>	Not Regulated
<b>Sea (IMDG)</b>	Not Regulated
<b>Air (IATA)</b>	Not Regulated


## Section 15: Regulatory Information

Classification: Not classified as hazardous under CLASS Regulation 2013  
Pictogram: Not applicable  
Signal Word: Not applicable

Pesticides Act:  
Classification: Not applicable

## Section 16: Other Information

Date of Preparation: 15 February 2016  
Date of Revision: 17 November 2016  
Reference Document: ICOP on Chemicals Classification and Hazard Communication 2014  
GHS Purple Book  
MSDS

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