



Safety Data Sheet

SDS No.:
SDS-IM/FG-D/01

Deliver

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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: Deliver
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
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 ₂), 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.
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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



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Condition to Avoid: High humidity, high frequency, strong magnetic and electric fields
Incompatible Material: Water and strong oxidizers
Hazardous Decomposition Product: Biologically activated product may produce CO₂, ethanol and methane. Chemical oxidation may produce CO₂, CO, SO, SO₂ 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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Land (ADR/RID)	Not Regulated
Sea (IMDG)	Not Regulated
Air (IATA)	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

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.