

Safety Data Sheet

YEAST NUTRIENT

Revision Date: 01/03/2018
Status: Approved

Hazard Statement: Danger/Warning – Harmful if swallowed, causes serious eye damage, very toxic to aquatic life with long lasting effects



Classified as Hazardous according to criteria of Safe Work Australia.

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	Yeast Nutrient	
Chemical Name	Liquid yeast food	
Product Code	218568/ 218569/ 252454	
Recommended Use	Brewing, Fermentation Aid	
Supplier Name	Connell Bros Company Australasia Pty Ltd ABN: 53 079 159 327	
Address	26 Research Drive Croydon South Vic Australia 3136	
Emergency Telephone Numbers	+61 3 9761 7999	+61 417 537 063 (24 hours)
Other Names	Name --	Product Code --

Other Information

2. HAZARDS IDENTIFICATION

HAZARDOUS SUBSTANCE, NON-DANGEROUS GOODS

Hazard Statements: Hazard Category 1, Sensitisation - Respiratory
Warning – H302, Harmful if swallowed
Danger – H318, Causes serious eye damage
Warning – H410, Very toxic to aquatic life with long lasting effects

Prevention Statements: P264 Wash skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
P270 Avoid breathing dust/fume/gas/mist/ vapours/spray.
P264 Wash hands thoroughly after handling
P270 Do not eat, drink or smoke when using this product. Avoid ingesting material
P272 Contaminated work clothing should not be allowed out of the workplace.

Human Health Hazards: Prolonged skin contact may cause irritation.

3. COMPOSITION/ INFORMATION ON INGREDIENTS

<u>Ingredients Name</u>	<u>IUB No.</u>	<u>CAS No.</u>	<u>Hazard Classification</u>	<u>Proportion of Ingredients</u>
Water	Not Applicable	7732-18-5	-	Proprietary
Zinc Sulphate	Not Applicable	7446-19-7	1 Causes serious eye damage 1 Very toxic to aquatic life 4 Harmful if swallowed	Proprietary
Other components deemed not to be hazardous by Safe Work Australia				Proprietary

4. FIRST AID MEASURES

Response Statement Inhalation:	Remove victim from exposure to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Keep person warm and calm. Seek medical attention
Response Statement Ingestion: P301+P312, P330	IF SWALLOWED: Immediately contact a doctor/physician/poison information centre Rinse mouth with water. Give plenty of water to drink. Do not induce vomiting
Response Statement Skin:	IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs seek medical advice/attention. Wash contaminated clothing before reuse.
Response Statement Eyes: P305+P351+P338 P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately seek medical advice/attention/poison information centre
First Aid Facilities:	Access to potable water. Wash bottles or eye wash station or showers.
Advice to Doctor:	Treat symptomatically. Advise workplace of the need to control exposure

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:	Water, foam, halones
Special hazards arising from the substance or mixture:	Intense fires above 600 °C may produce toxic fumes of sulphur dioxide gas
Advice for firefighters:	As in any fire, wear self-contained breathing apparatus and full protective gear. Contain spill and prevent runoff to sewer, drains or waterways

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency equipment:	Use only with adequate protective equipment and emergency procedures. Avoid breathing dust or spray mist. Avoid formation of aerosols and dust. For personal protection see Section 8.
Environmental precautions:	P391 Collect Spillage. Contain spill. Keep out of waterways
Methods and materials for containment and cleaning up:	Use appropriate personal protection (see Section 8 of SDS). Provide for sufficient ventilation. Avoid contact with product. Contain and remove spilled product by mechanical means.
Reference to other sections:	Refer to Section 8 of SDS.

7. HANDLING AND STORAGE

Precautions for safe handling:	Use appropriate personal protection (see Section 8 of SDS). Handle in accordance with good industrial hygiene and safely practice
Conditions for safe storage, including any incompatibilities	Keep containers tightly closed in a dry cool and well ventilated pace. Store in original container.
Specific end use(s):	See Section 1 of SDS for more information.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameter Exposure Limits (according to Safe Work Australia)

Ingredient Name	STEL (mg/m³)	STEL (ppm)	TWA (mg/m³)	TWA (ppm)
Water	N/D	N/D	N/D	N/D
Zinc Sulphate	N/D	N/D	N/D	N/D

Exposure Controls

Hygiene measures:	Handle in accordance with good industrial hygiene and safety practice.
Engineering measures:	Good local ventilation.
Personal protective equipment - Respiratory Protection	Wear suitable respiratory protective devices (for use against dusts & mists) if potential for inhalation occurs. P3 filters are recommended
Personal protective equipment - Eye and Face Protection	Safety glasses with side shields, goggles or face shield.
Personal protective equipment - Skin, Hand and Body Protection	Wear protective gloves and clothing.
Environmental Exposure Controls:	Avoid release to the environment

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear liquid
Odour:	Almost odourless
Odour Threshold:	No data available
pH:	2.05 – 2.15
Melting Point/Freezing Point:	Not determined (liquid at normal temperature ranges)
Boiling Point:	100°C
Flash Point:	Not applicable
Evaporation Rate	Not applicable
Flammability	Not Flammable
Explosive Limits:	No data available
Vapour Pressure:	13mm @ 20°C
Vapour Density:	Not applicable
Relative Density/Specific Gravity: (H₂O=1)	1.17 – 1.22
Solubility in Water:	Completely miscible
Partition coefficient	No data available
Auto-ignition Temperature:	Not applicable
Decomposition Temperature:	No data available
Viscosity	No data available

10. STABILITY AND REACTIVITY

Reactivity:	Stable under recommended transport and storage conditions
Chemical Stability:	Stable under normal conditions of use and storage
Possibility of Hazardous Reactions:	None under normal processing
Conditions to Avoid:	None known
Incompatible Materials:	Strong oxidizing agents
Hazardous Decomposition Products:	Intense fires above 600 °C may produce toxic fumes of sulphur dioxide gas

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity -:

Oral	Toxic by ingestion of large doses.
Dermal	There is no data available for this product.
Inhalation	There is no data available for this product.
Irritation -:	
Skin	May cause slight irritation.
Eye	May cause slight irritation.
Respiratory	May cause irritation to mucous membranes

Other effects

Systemic toxicity:	Toxic by ingestion of large doses.
Sensitization:	There is no data available for this product.
Mutagenic effects:	There is no data available for this product.
Carcinogenicity:	There is no data available for this product.
Reproductive effects:	This product does not contain any known or suspected reproductive hazards.
Developmental toxicity:	There is no data available for this product.

12. ECOLOGICAL INFORMATION

Toxicity:	Very toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment. Do not allowed spilled product to enter drains, waterways or sewers.
Persistence and degradability:	None known
Bioaccumulative potential:	None known
Mobility in soil:	Soluble
Other adverse effects:	None known

13. DISPOSAL CONSIDERATIONS

Disposal Methods:	Do not allowed spilled product to enter drains, waterways or sewers. P501 Dispose of closed containers of absorbed material into landfill in accordance with national or local regulations.
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14. TRANSPORT INFORMATION

UN-Number	Not regulated. Not regulated as per IATA
UN proper shipping name	Not regulated
Transport hazard class(es)	Not regulated. Not normally classified as Dangerous or Hazardous for transport, including air.
Packing group	Not regulated. Store in closed container to prevent aerosol and dust formation.
Environmental hazards	Not regulated
Special precautions for users	Not regulated. Normal Good Manufacturing Practice for handling and storage.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code	Class 9 if more than 500 kg (anhydrous) transported
Dangerous goods	
Additional Information	Not dangerous goods in the meaning of ADG Code

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

16. OTHER INFORMATION

Abbreviations used:	TWA Time Weighted Average - airborne concentration over an eight hour working day, for a five day working week over an entire working life. According to current knowledge this concentration should neither impair the health or, not cause undue discomfort to, nearly all workers. STEL Short Term Exposure Limit - average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight hour work day. According to current knowledge this concentration should neither impair the health nor cause undue discomfort to nearly all workers. ADG Australian Dangerous Goods.	
Contact Person/Point:	Technical Information Officer +61 3 9761 7999 or +61 417 537 063 (24 hours).	
Issue Date: Initially Authorised By:	03/09/2007 Geoff Bearzatto	
Current Version Authorised By:	05/26-10-16 Tom Mascara	Revised By: Tom Mascara/Heidi Donnelly/Matilda Hanna
Revisions:	01/03-09-07 New product. GB. 02/18-01-08 New format. GB. 03/19-08-13 Revision due and new format. TM/HD. 04/18-09-14 Revision into CBC format. TM/CB. 05/09-06-15 Remove manganese from formulation. TM/HD. 06/26-10-16 Revision and new SDS format. TM/MH/HD. 07/01-03-18 New pack size. TM/HD.	

References:

Code of Practice: Preparation of Safety Data Sheets for Hazardous Chemicals, Safe Work Australia, December 2011

<http://www.safeworkaustralia.gov.au/sites/swa/about/publications/pages/safety-data-sheets-hazardous-chemicals-cop>

Globally Harmonized System of Classification and Labelling of Chemicals (GHS), United Nations.

http://www.unece.org/trans/danger/publi/ghs/ghs_welcome_e.html

Hazardous Substance Information System (HSIS) Safe Work Australia

http://www.hsis.safeworkaustralia.gov.au/ExposureStandards/Search?CasNo=&Name=subtilisin&TwaPpm=&TwaMgm3=&StelPpm=&StelMgm3=&Category=&Notices=&Reference=&Notes=&fromDate=&toDate=&Sort=Cas_No&underReview=B&results=20&isAdvancedSearch=false

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