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chem-supply

Infosafe No™ 1CHAA Issue Date : July 2016

RE-ISSUED by CHEMSUPP

Product Name : **PEPSIN** 

Classified as hazardous			
1. Identification			
GHS Product	PEPSIN		
Identifier			
Company Name	CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)		
Address	38 - 50 Bedford Street GILLMAN SA 5013 Australia		
Telephone/Fax	Tel: (08) 8440-2000		
Number	Fax: (08) 8440-2001		
Recommended use of the chemical and	Medicine (digestive ferment), substitute for rennet in c	cheese making and laboratory reagent.	
restrictions on use			
Other Names	Name	Product Code	
	PEPSIN 1:3000 LR	PL391	
	PEPSIN 1:2500 LR	PL082	
	Pepsinum Puerzym		
Other Information	EMERGENCY CONTACT NUMBER: +61 08 8440		
	Business hours: 8:30am to 5:00pm, Monday to Frida	у.	
	Chem-Supply Pty Ltd does not warrant that this produce must ascertain the suitability of the product before use testing of the product before use or application is reco- upon Chem-Supply Pty Ltd with respect to any skill or this product of any purpose is disclaimed. Except to the any statute as to the merchantable quality of this product This product is not sold by description. Where the pro- Act apply, the liability of Chem-Supply Pty Ltd is limited or payment of the cost of replacing the goods or acqui	e or application intended purpose. Preliminary ommended. Any reliance or purported reliance judgement or advice in relation to the suitability of ne extent prohibited at law, any condition implied by luct or fitness for any purpose is hereby excluded. visions of Part V, Division 2 of the Trade Practices ad to the replacement of supply of equivalent goods	
2. Hazard Identifi	cation		
GHS classification	Eye Damage/Irritation: Category 2A		
of the substance/mixture	Skin Corrosion/Irritation: Category 2 Sensitization - Respiratory: Category 1		
	Specific target organ toxicity- Single Exposure Catego	ory 3 (respiratory tract irritation)	
Signal Word (s)			
Hazard Statement (s)	H315 Causes skin irritation. H319 Causes serious eye irritation.		
(3)	H334 May cause allergy or asthma symptoms or brea	thing difficulties if inhaled.	
	H335 May cause respiratory irritation.		
Pictogram (s)	Health hazard, Exclamation mark		
Precautionary	P261 Avoid breathing dust/fume/gas/mist/vapours/spr	ay.	
statement –	P264 Wash thoroughly after handling. P271 Use only outdoors or in a well-ventilated area.		
Prevention	P280 Wear protective gloves/protective clothing/eye p	protection/face protection.	
Precautionary	Skin		
statement – Response	P302+P352 IF ON SKIN: Wash with plenty of soap ar P332+P313 If skin irritation occurs: Get medical advice		
neshouse	P362 Take off contaminated clothing and wash before		
	Inhaled	we vistim to freeh air and keep at rest in a section	
	P304+P341 IF INHALED: If breathing is difficult, remo comfortable for breathing.	ove victim to resh an and keep at rest in a position	
	P312 Call a POISON CENTER or doctor/physician if y		
	P342+P311 If experiencing respiratory symptoms: Ca	II a POISON GENTER or doctor/physician.	
Print Date: 18/07/2016		CS: 1.7.2	

Page: 2 of 5   Infosate No <sup>TM</sup> 1CHAA Issue Date : July 2016 RE-ISSUED by CHEMSUPP   Product Name : PEPSIN Classified as hazardous   Eyes P305-P351-P338 IF IN EYES: Rises cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337-P31 3F eye irritation persists: Get medical advice/atention.   Precautionary P403-P33 Store in a well ventilated place. Keep container tighty closed.   Precautionary P403-P33 Store in a well ventilated place. Keep container tighty closed.   Precautionary P403-P33 Store in a well ventilated place. Keep container tighty closed.   Precautionary P403-P33 Store in a well ventilated place. Keep container tighty closed.   Precautionary P403-P33 Store in a well ventilated place. Keep container tighty closed.   Precautionary P403-P33 Store in a well ventilated place. Keep container tighty closed.   A composition/information on ingredients 100 %.   Chemetal Solid   Chemetal Solid   First-aid measures Inhaled, remove from containinated area to fresh air immediately. Appy artificial respiration II not breathing in difficult, give oxygen. Immediately obtain medical advice. Do NOT INDUCE VOMTING. Seek medical advice. If effects persist.   Skin Wash with gringle with water immediately obtain medical advice or a	ZS	Safety Data Sheet	infosafe cs:1.7.2
Product Name : PEPSIN   Classified as hazardous   Eyes P305-P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.   Precautionary P337-P331 if you initiated place. Keep container tightly closed.   statement - Storage P403 Ster looked up.   Precautionary P501 Dispose of contents/container to an approved waste disposal plant.   Statement - Disposal Solid   Characterization Res Cas   Ingredients Activity (Approx.): Not less than 2500 units/mg.   4. First-aid measures Popsin   Inhalation If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Immediately obtain medical aid if ough or other symptoms appear.   Ingestion Rinse mouth thoroughly with water immediately repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice infects persist.   Skin Wash with plehty of scap and water. Remove contaminated clubing and wash before re-use. If immediately inglate with ocplous quanitity of water for at least 15 minutes. Eyelids to be held open. Immediately inglate with ocplous quanitity of water for at least 15 minutes. Eyelids to be held open. Immediately inglate with ocplous quanitity of water for at least 15 minutes. Eyelids to be held open. Immediately inglate with ocplous quanitity of water for at least 15 minutes. Eye	chem-supply		Page: 2 of 5
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Eyes P305-P351 +P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337-P313 if eye initiation persists: Get medical advice/attention. P403-P323 Store in a well-welliated place. Keep container tightly closed.     Precautionary Precautionary Pation-P323 Store in a well-welliated place. Keep container tightly closed.     Precautionary Precautionary Pation-P323 Store in a well-welliated place. Keep container tightly closed.     Disposal   Disposal     3. Composition/information on ingredients Characterization Ingredients   Proportion Mame   Hazard Symbol   Risk Phrase     Other Information   Sold   Proportion Mame   Hazard Symbol   Risk Phrase     Persion   9001-75-6   100 %   Attract Symbol   Risk Phrase     Prepoin   9001-75-6   100 %   Attract Symbol   Risk Phrase     Inhelider, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Immediately cobain medical aid of ough or other symptoms appear.   Immediately imgate with copious quantity of water for at least 15 minutes. Eyelide to be held open. Seek medical attention.     Skin   Wash with plenty of scap and water. Remove contaminated clothing and wash before re-use. If initiation accurs seek medical advice.   Fer advice.     Skin   Wash with plenty of scap and	Product Name :	PEPSIN	
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Personal PrecautionsAvoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.Personal ProtectionWear protective clothing specified for normal operations (see Section 8)Clean-up Methods Small SpillagesSweep up (avoid generating dust) and using clean non-sparking tools transfer to a clean, suitable, clearly labelled container for disposal in accordance with local regulations.	Precautions in	Precautions in Wear SCBA and structural firefighter's uniform.	
Precautionsenclosed rooms.Personal ProtectionWear protective clothing specified for normal operations (see Section 8)Clean-up MethodsSweep up (avoid generating dust) and using clean non-sparking tools transfer to a clean, suitable, clearly labelled container for disposal in accordance with local regulations.	6. Accidental rele	. Accidental release measures	
Clean-up Methods - Sweep up (avoid generating dust) and using clean non-sparking tools transfer to a clean, suitable, clearly labelled container for disposal in accordance with local regulations.	Precautions	enclosed rooms.	
Small Spillages   clearly labelled container for disposal in accordance with local regulations.			
7. Handling and storage			
	7. Handling and s	storage	

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Infosafe No™	1CHAA	Issue Date : July 2016	RE-ISSUED by CHEMSUPP
Product Name :	PEPSIN		
_		Classified as hazardous	
Precautions for Safe Handling	Avoid ingestio material. Wea	ng dust. Avoid contact with eyes, skin, and cloth n. Use with adequate ventilation. Work under h r suitable protective clothing. Wash clothing be show the label when possible.	ood. Ground all equipment containing
Conditions for safe storage, including any incompatabilities		tly closed container, stored in a cool, dry, odour do not exceed 30 °C and relative humidity is no	
8. Exposure cont	trols/person	al protection	
Other Exposure Information	A time weighte established by	ed average (TWA) concentration for an 8 hour c / Safe Work Australia for this product. There is t otherwise been established.	
Appropriate	In industrial si	tuations maintain the concentrations values bel	low the TWA. This may be achieved by
engineering controls	process modif methods.	fication, use of local exhaust ventilation, capturi	ng substances at the source, or other
Respiratory Protection	or mists. Resp selected in ac Devices. Filter planned entry respiratory pro	tion is not adequate, respiratory protection may biratory protection should comply with AS 1716 cordance with AS 1715 - Selection, Use and Ma r capacity and respirator type depends on exposi- into unknown concentrations a positive pressur- bitection is required, institute a complete respirat- ning, maintenance and inspection.	- Respiratory Protective Devices and be aintenance of Respiratory Protective sure levels. In event of emergency or re, full-facepiece SCBA should be used. If
Eye Protection Hand Protection	The use of a f Must comply v	ace shield, chemical goggles or safety glasses with Australian Standards AS 1337 and be selec on should comply with AS 2161, Occupational p	cted and used in accordance with AS 1336.
Personal Protective Equipment	Final choice o	Recommendation: Nitrile rubber gloves f personal protective equipment will depend on ments undertaken.	individual circumstances and/or according
Footwear	Occupational	n industrial situations is advisory, foot protection protective footwear - Guide to selection, care an	nd use.
Body Protection	an apron. Clot Against Hazar	Int protective clothing. Clean clothing or protecti thing for protection against chemicals should co rdous Chemicals.	omply with AS 3765 Clothing for Protection
Hygiene Measures	Always wash	hands before smoking, eating or using the toilet ipment before storing or re-using.	t. Wash contaminated clothing and other
9. Physical and c	hemical pro	operties	
Form	Solid		

Form	Solid
Appearance	White to yellowish/white powder.
Odour	Slight characteristic odour.
Decomposition Temperature	> 50 °C (denaturation)
Melting Point	Decomposes.
Solubility in Water	Slighlty soluble in water (~10 g/l @ 20 °C).
Solubility in Organic Solvents	Insoluble in alcohol, chloroform and ether.
Specific Gravity	0.5 (Water = 1)
рН	3.5 - 5.0 (10 g/l H2O (20 °C)); 4.0 - 5.0 (20 g/l H2O (20 °C)).
Vapour Pressure	Negligible.
Evaporation Rate	Negligible.
Volatile Component	0 %vol @ 21 °C
Flammability	Combustible.
Explosion Properties Molecular Weight	Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. 34,500

23	Safety Data Sheet	nfo 4	CS	S: 1.7.2	
chem-supply			-		
Infosafe No™	1CHAA Issue Date : July 2016 RE-ISSUED by CHE	EMS	UF	P	
Product Name :	PEPSIN				
	Classified as hazardous				
10. Stability and	reactivity				
Chemical Stability					
	Moisture, heat, flames, ignition sources and incompatibles.				
Incompatible Materials	Strong oxidizers, alcohols, strong bases, alkalies, tannins, heavy metal salts.				
Hazardous Decomposition Products	Nitrogen oxides, carbon monoxide, carbon dioxide and water.				
Hazardous Polymerization	Will not occur.				
11. Toxicological					
Ingestion	Large doses may cause gastro-intestinal upset. May cause allergic reaction characterized by				
Inhalation Skin	Irritating to respiratory system. May cause sensitisation by inhalation. May cause asthmatic attacks due to allergic sensitization of the respiratory tract. May cause irritation, allergic reaction. May result in reddening, burning sensation.				
Eye	Irritating to eyes.				
Skin Sensitisation	Risk of skin and lung sensitisation.				
Carcinogenicity	Not listed in the IARC Monographs.				
Chronic Effects	Possible hypersensitivity, dermatitis.				
Serious eye	Irritant effect.				
damage/irritation Mutagenicity Respiratory Irritation					
Skin corrosion/irritation					
12. Ecological in					
Ecological	No ecological problems are to be expected when the product is handled and used with due c attention.	are a	nd		
Information Persistence and degradability	Products of Biodegradation: Possibly hazardous short term degradation products are not like However, long term degradation products may arise.	ly.			
13. Disposal con	13. Disposal considerations				
Disposal Considerations	Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local,		l,		
14. Transport info					
Transport Information	Not classified as a Dangerous Good according to the Australian Code for the Transport of Da Goods by Road and Rail.	nger	ous	i	
15. Regulatory in					
Regulatory Information Poisons Schedule	Listed in the Australian Inventory of Chemical Substances (AICS).				

### **Poisons Schedule** Not Scheduled

## 16. Other Information

Literature	'Standard for the Uniform Scheduling of Medicines and Poisons No. 6', Commonwealth of Australia,
References	February 2015.
	Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons,
	Inc., NY, 1997.
	National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.
	Safe Work Australia, 'National Code of Practice fot the Preparation of Safety Data Sheets for Hazardous

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#### 1CHAA RE-ISSUED by CHEMSUPP Issue Date : July 2016

Product Name : PEPSIN

### Classified as hazardous

	Chemicals', 2011. Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010. Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'. Safe Work Australia, 'Hazardous Substances Information System, 2005'. Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances		
	(2011)'.		
	Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational		
	Environment [NOHSC:1003(1995)]'.		
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Empirical Formula 8	Empirical Formula & Protein with a peptide sequence of 327 amino acid residues.		
Structural Formula	• • • •		
	End Of MSDS		
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