

Infosafe No™ 1CHB8	Issue Date : August 2022	RE-ISSUED by ACR
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Product Name **GELATINE**

Not classified as hazardous

## Section 1 - Identification

**Product Identifier** GELATINE

**Company Name** CHEMSUPPLY AUSTRALIA PTY LTD (ABN 19 008 264 211)

**Address** 38 - 50 Bedford Street GILLMAN  
SA 5013 Australia

**Telephone/Fax Number** Tel: (08) 8440-2000

**Emergency Phone Number** CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

**E-mail Address** www.chemsupply.com.au

**Recommended use of the chemical and restrictions on use** Photographic film; sizing; textile and paper adhesives; cements; capsules for medicinals; matches; light filters; clarifying agent; desserts, jellies, etc.; culture medium for bacteria; blood plasma volume expander; microencapsulation; printing inks; nutrient; protective colloid in icecream and laboratory reagent.

<b>Other Names</b>	<u><b>Name</b></u>	<u><b>Product Code</b></u>
	GELATINE LR	GL005

**Other Information**

ChemSupply Australia Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon ChemSupply Australia Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of ChemSupply Australia Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

## Section 2 - Hazard(s) Identification

**GHS Classification of the Substance/Mixture** Classified as non-Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

## Section 3 - Composition and Information on Ingredients

<b>Ingredients</b>	<u><b>Name</b></u>	<u><b>CAS</b></u>	<u><b>Proportion</b></u>
	Gelatine	9000-70-8	100 %

## Section 4 - First Aid Measures

**Inhalation** If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough 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 if effects persist.

**Skin** Wash affected area thoroughly with copious amounts of running water. Remove contaminated clothing and wash before reuse.

**Eye** In case of contact with eyes, wash with running water holding eyelids open. Take care not to rinse contaminated water into a non-affected eye. If irritation persists seek medical advice.

**Advice to Doctor** Treat symptomatically based on judgement of doctor and individual reactions of the patient.

**Other Information** For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

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## Section 5 - Firefighting Measures

<b>Hazards from Combustion Products</b>	Toxic fumes, including carbon monoxide, oxides of nitrogen and carbon dioxide.
<b>Specific Methods</b>	Small fire: Use dry chemical, CO <sub>2</sub> , water spray or foam. Large fire: Use water spray, fog or foam. If safe to do so, move undamaged containers from the fire area. Cool containers with flooding quantities of water until well after the fire is out.
<b>Specific Hazards Arising from the Chemical</b>	May burn but do not ignite readily. Runoff may pollute waterways. Fire may produce irritating, poisonous and/or corrosive fumes. Containers may explode when heated.
<b>Decomposition Temperature</b>	>100 °C
<b>Precautions in connection with Fire</b>	Wear SCBA and structural firefighter's uniform.

## Section 6 - Accidental Release Measures

<b>Personal Precautions</b>	Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.
<b>Personal Protection</b>	Wear protective clothing specified for normal operations (see Section 8)
<b>Clean-up Methods - Small Spillages</b>	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.

## Section 7 - Handling and Storage

<b>Precautions for Safe Handling</b>	Generally not hazardous in normal handling, however good laboratory practices should always be used. Avoid inhalation of dust. Avoid contact with eyes, skin, or clothing. Avoid long term exposure to skin or by inhalation. Minimize dust generation and accumulation. Keep containers tightly closed when not in use to prevent contamination. Provide appropriate exhaust ventilation at places where dust is formed. Use with adequate ventilation. If ingested, seek medical advice immediately. Wash thoroughly after handling. Protect against physical damage and moisture. Normal measures for preventive fire protection. Keep away from heat and sources of ignition. Keep away from oxidizing agents.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in tightly closed containers, in a cool, dry, well-ventilated area away from incompatible substances. Keep containers closed when not in use to prevent contamination. Hygroscopic. Protect against physical damage, direct sunlight and moisture. Store away from sources of ignition, heat and oxidizing agents.
<b>Storage Temperatures</b>	Store at room temperature (15 to 25 °C recommended).

## Section 8 - Exposure Controls and Personal Protection

<b>Other Exposure Information</b>	A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Safe Work Australia for this product. There is a blanket limit of 10 mg/m <sup>3</sup> for dusts when limits have not otherwise been established.
<b>Engineering Controls</b>	In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.
<b>Respiratory Protection</b>	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.

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<b>Eye and Face Protection</b>	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
<b>Hand Protection</b>	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Excellent: NR latex, nitrile and neoprene. Good: Vinyl gloves.
<b>Personal Protective Equipment</b>	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.
<b>Body Protection</b>	Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
<b>Hygiene Measures</b>	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

## Section 9 - Physical and Chemical Properties

<b>Form</b>	Solid
<b>Appearance</b>	Colourless or white to brown transparent brittle, sheets, flakes, granules, crystals or coarse granular, crystalline powder.
<b>Odour</b>	Weak, characteristic odour to odourless.
<b>Melting Point</b>	Decomposes.
<b>Boiling Point</b>	Decomposes above 100 °C; Complete combustion above 500 °C.
<b>Decomposition Temperature</b>	>100 °C
<b>Solubility in Water</b>	Insoluble in cold water (but absorbs to form gel), soluble in water at 40 °C or above (<500 g/l at 60 °C).
<b>Solubility in Organic Solvents</b>	Soluble in glycerol, acetic acid and in hot mixture of glycerin and water. Insoluble in organic solvents, alcohol, chloroform, ether, fixed and volatile oils.
<b>Specific Gravity</b>	0.5 - 0.8 g/cm <sup>3</sup> at 25 °C (powder or granulous, depending of the size of the grains). Relative density: 1.4 g/cm <sup>3</sup> .
<b>pH</b>	5.0 - 6.5 (1% of aqueous solution).
<b>Vapour Pressure</b>	Negligible.
<b>Volatile Component</b>	0 %vol @ 21 °C
<b>Flammability</b>	Combustible.
<b>Auto-ignition Temperature</b>	Minimum dust cloud ignition temperature: 620 °C.
<b>Explosion Properties</b>	Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Minimum explosible concentration: < 0.5 g/l (air). Maximum explosion pressure: 78 lb./in <sup>2</sup> .
<b>Other Information</b>	Taste: Tasteless.

## Section 10 - Stability and Reactivity

<b>Chemical Stability</b>	Stable under normal temperatures and pressures, and recommended conditions of use and storage. Hygroscopic.
<b>Possibility of Hazardous Reactions</b>	May react with tannin or formaldehyde.
<b>Conditions to Avoid</b>	Excess heat, high temperatures, ignition sources, dust generation, moisture and incompatible materials.
<b>Incompatible Materials</b>	Strong oxidizing agents, tannin and formaldehyde.
<b>Hazardous Decomposition Products</b>	Toxic fumes, including carbon monoxide, oxides of nitrogen and carbon dioxide.

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**Hazardous Polymerization** Will not occur.

## Section 11 - Toxicological Information

**Acute Toxicity - Oral** LD50 (rat): >5000 mg/kg.

**Ingestion** Low hazard. Large doses may cause gastrointestinal upset.

**Inhalation** Inhalation of dusts may cause respiratory tract irritation.

**Skin** Dust may cause mechanical irritation. May cause irritation in certain sensitive individuals.

**Eye** Dust may cause mechanical irritation.

**Carcinogenicity** Not listed in the IARC Monographs.

**Chronic Effects** Where substance has been used medically, cases of poisoning have been recorded from prolonged use (daily intake of quantities up to 200 g). However it would be virtually impossible to take these quantities accidentally. Prolonged skin contact may give rise to irritation in certain sensitive individuals.

## Section 12 - Ecological Information

**Ecological Information** No ecological problems are to be expected when the product is handled and used with due care and attention.

**Ecotoxicity** Quantitative data on the ecological effect of this product are not available. Ingredient in fish food. Being a protein, expected to be non-toxic.

## Section 13 - Disposal Considerations

**Disposal Considerations** Dispose of according to relevant local, state and federal government regulations.

## Section 14 - Transport Information

**Transport Information** Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

## Section 15 - Regulatory Information

**Poisons Schedule** Not Scheduled

## Section 16 - Any Other Relevant Information

**Literature References** 'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia.  
National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.'.  
Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals'.  
Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand.  
Safe Work Australia, 'Hazardous Chemical Information System'.  
Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances'.  
Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment'.

**Contact Person/Point** Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**  
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