

Infosafe No™ 3CH80	Issue Date : February 2021	RE-ISSUED by CHEMSUPP
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Product Name **D-MANNITOL**

Not classified as hazardous

1. Identification

GHS Product Identifier D-MANNITOL

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

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Other Names	<u>Name</u>	<u>Product Code</u>
	D- Mannitol AR	MA009

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.

2. Hazard Identification

GHS classification of the substance/mixture Not classified as hazardous according to the Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(2004) 3rd Edition, Safe Work Australia.
Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

3. Composition/information on ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	D-Mannitol	69-65-8	100 %

4. First-aid measures

Inhalation Remove to fresh air. If symptoms persist, obtain medical attention.

Ingestion Rinse mouth thoroughly with water immediately several times. Seek medical advice if effects persist.

Skin Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

Eye contact Hold eyelids apart and flush eye(s) continuously with running water. Continue flushing for at least 15 minutes or until advised to stop by doctor or Poison Information Centre. If rapid recovery does not occur, obtain medical attention

First Aid Facilities Maintain eyewash fountain and safety shower in work area.

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.

5. Fire-fighting measures

Specific Methods Use extinguishing media most appropriate for the surrounding fire. No

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Specific hazards arising from the chemical	<p>limitations to the type of extinguishing media.</p> <p>May burn but do not ignite readily. Containers may explode when heated. Runoff may pollute waterways/ Fire or heat may product irritating, poisonous and/or corrosive gases. Find dust dispersed in the air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.</p>
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6. Accidental release measures

Spills & Disposal	Do NOT touch or walk through this product unless wearing appropriate protective clothing. Stop leak if safe to do so. Prevent entry into drains, confined areas. Prevent dust cloud. Use clean non-sparking tools to collect material and place it into loosely-covered plastic containers for later disposal. Clean up spill site and ventilate area.
Personal Precautions	Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)
Clean-up Methods - Small Spillages	Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

7. Handling and storage

Precautions for Safe Handling	Avoid generation or accumulation of dusts. Wash hands and face thoroughly after working with material.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed and in a cool, well-ventilated place, away from direct sunlight. Keep away from moisture.
Storage Temperatures	Store at room temperature (15 to 25 °C recommended).

8. Exposure controls/personal protection

Other Exposure Information	No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m ³ . All atmospheric contamination should be kept to as low a level as is workable. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.
Appropriate engineering controls	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.
Respiratory Protection	Usually is not required. Where protection is required from nuisance levels of dust or mists select respiratory protection that complies with AS 1716 - Respiratory Protective Devices and select in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels.
Eye Protection	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.
Hand Protection	Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments.
Personal Protective Equipment	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
Body Protection	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.
Hygiene Measures	Always wash hands before smoking, eating or using the toilet. Wash

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contaminated clothing and other protective equipment before storing or re-using.

9. Physical and chemical properties

Appearance	White solid.
Odour	Odourless.
Melting Point	164 - 169 °C
Boiling Point	290 - 295 °C
Solubility in Water	Very soluble
Specific Gravity	1.49 g/cm ³
pH	pH 5-7 (@ 100 g/L H ₂ O)
Partition Coefficient: n-octanol/water	log P (Oct): -3.10 (calculated)
Flammability	Combustible.
Molecular Weight	182.17

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
Incompatible Materials	Strong oxidising agents, strong acids, strong alkalis.
Possibility of hazardous reactions	Dust explosion possible.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Toxicology Information	No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. If mishandled or overexposed to this product the following symptoms or effects may occur.
Acute Toxicity - Oral	LD50 (rat): 13500 mg/kg
Ingestion	May cause irritation to digestive tract. After swallowing of large amounts may experience nausea, vomiting and diarrhoea.
Inhalation	May cause irritation to respiratory tract.
Skin	May cause skin irritation.
Eye	May cause irritation.
Respiratory sensitisation	Not classified based on available information.
Skin Sensitisation	Not classified based on available information.
Germ cell mutagenicity	Not classified based on available information.
Carcinogenicity	Not classified based on available information.
Reproductive Toxicity	Not classified based on available information.
STOT-single exposure	Not classified based on available information.
STOT-repeated exposure	Not classified based on available information.
Serious eye damage/irritation	Not classified based on available information.
Mutagenicity	Not classified based on available information.

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Skin corrosion/irritation Not classified based on available information.

12. Ecological information

Persistence and degradability Readily biodegradable.
BOD: 68% of COD; ThOD: 1.15 g/g; BOD: 59% of ThOD /5d; COD 87% of ThOD.

Environmental Fate Behaviour in environmental compartments:
Distribution: log P (Oct): -3.10 (calculated)

Bioaccumulative Potential No bioaccumulation is to be expected (log P(o/w) <1.0).

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

13. Disposal considerations

Disposal Considerations Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.

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.

15. Regulatory information

Regulatory Information All the constituents of this product are listed on the Australian Inventory of Chemical Substances (AICS), or exempted. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.

16. Other 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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Empirical Formula & Structural Formula C6H14O6

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