

Infosafe No™ 3CH79	Issue Date :November 2020	RE-ISSUED by CHEMSUPP
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 Product Name **DIETHYLENETRIAMINEPENTA ACETIC ACID**

Classified as hazardous

1. Identification

GHS Product Identifier DIETHYLENETRIAMINEPENTA ACETIC ACID

Company Name CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)

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SA 5013 Australia

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E-mail Address www.chemsupply.com.au

Recommended use of the chemical and restrictions on use Laboratory chemicals.

Other Names	<u>Name</u>	<u>Product Code</u>
	DIETHYLENETRIAMINEPENTA ACETIC ACID LR	DL135
	DTPA	

Other Information

Chem-Supply 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 Chem-Supply 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 Chem-Supply 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.

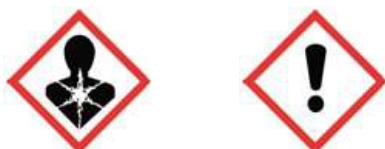
2. Hazard Identification

GHS classification of the substance/mixture Acute toxicity, Inhalation Category 4
Serious eye damage/eye irritation Category 2A
Reproductive toxicity Category 2
Specific target organ toxicity - repeated exposure, Inhalation Category 2

Signal Word (s) WARNING

Hazard Statement (s) H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H361 Suspected of damaging fertility or the unborn child.
H373 May cause damage to organs (respiratory tract) through prolonged or repeated exposure.

Pictogram (s) Health hazard, Exclamation mark



Precautionary statement – Prevention P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P264 Wash skin thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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Precautionary

statement – Response P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
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 irritation persists: Get medical advice/attention.
P308+P313 IF exposed or concerned: Get medical advice/attention.

Precautionary

statement – Storage P405 Store locked up.

Precautionary

statement – Disposal P501 Dispose of contents/container in accordance with local, state and federal government requirements.

3. Composition/information on ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Diethylenetriaminepenta acetic acid	67-43-6	100 %

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 Remove contaminated clothing and wash affected skin with soap and water. Seek medical advice if effects persist.

Eye contact Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Remove contact lenses. If persistent irritation occurs, obtain medical attention.

First Aid Facilities Eye wash station, safety shower and normal washroom facilities.

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

5. Fire-fighting measures

Suitable extinguishing media Dry chemical powder. Water fog. Carbon dioxide (CO2).

Unsuitable Extinguishing Media Do not use water jet to extinguish, this will spread the fire.

Hazards from Combustion Products Oxides of carbon and nitrogen.

Special Protective Equipment for fire fighters Full protective clothing and self-contained breathing apparatus.

Specific Methods Use standard firefighting procedures and consider the hazards of other involved materials.

Decomposition Temp. 235°C

Precautions in connection with Fire Wear SCBA and structural firefighter's uniform.

6. Accidental release measures

Spills & Disposal Vacuum or sweep up material and place into a suitable container for disposal. Avoid creating dusty conditions. Provide ventilation. Shut off all possible sources of ignition.
Do not let material enter waterways, sewers, confined areas or basements. Once material has been swept up wash area with water.
Material and container must be disposed of as Hazardous waste.

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Personal Precautions	Evacuate the area of all non-essential personnel. Use personal protective equipment listed in Section 8. Avoid dust formation and avoid breathing dust.
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.
Environmental Precautions	Avoid release to the environment. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for Safe Handling	Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before reuse. Use local exhaust extraction. Avoid generation or accumulation of dusts. Do not handle until all safety precautions have been read and understood. It is recommended that the product be handled in a closed system. If this is not practicable use local exhaust extraction or wear respiratory protection. Wear protective clothing specified for normal operations (see Section 8).
Conditions for safe storage, including any incompatibilities	Keep container tightly closed and in a cool, well-ventilated place. Keep locked up. Store away from incompatible materials.

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. These Workplace Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These workplace exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity. TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.
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	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.
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. Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Dispose of gloves as hazardous waste.
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.
Footwear	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection,

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Body Protection care and use.
Clean clothing or protective clothing should be worn. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals. PVC apron.

Hygiene Measures Ensure a high level of personal hygiene is maintained when using this product. Always wash hands before eating, drinking, smoking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.
Do not breathe dust.

9. Physical and chemical properties

Form White powder, solid.

Odour Odourless

Decomposition Temperature 235°C

Solubility in Water 5 g/L

Specific Gravity 1.560

pH 2.5 (saturated solution)

Partition Coefficient: n-octanol/water log Pow: -4.90

Flash Point 200 °C - closed cup

Auto-Ignition Temperature 387 - 397 °C

Molecular Weight 393.35

10. Stability and reactivity

Chemical Stability Stable under normal use conditons.
Hazardous polymerization will not occur.

Conditions to Avoid Dust generation.
Dust may form explosive mixture in air. Heat, flames and sparks.
Contact with incompatible materials.
Temperatures exceeding the decomposition temperature.

Incompatible Materials Strong oxidising agents.

Hazardous Decomposition Products If product is burnt hazardous gases such as oxides of carbon and nitrogen and various hydrocarbons may be produced.

11. Toxicological Information

Acute Toxicity - Oral LD50 Oral - Rat - male and female - > 5,000 mg/kg
(OECD Test Guideline 401)

Acute Toxicity - Dermal LD50 Dermal - Rat - male and female - > 2,000 mg/kg
(OECD Test Guideline 402)

Inhalation Acute toxicity, Inhalation Category 4
Harmful if inhaled.

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 Reproductive toxicity (Category 2)
H361 Suspected of damaging fertility or the unborn child.

STOT-single exposure Not classified based on available information.

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STOT-repeated exposure	Specific target organ toxicity - repeated exposure, Inhalation (Category 2) H373 May cause damage to organs (respiratory Tract) through prolonged or repeated exposure if inhaled.
Serious eye damage/irritation	Serious eye damage/eye irritation (Category 2A) H319 Causes serious eye irritation.
Mutagenicity	Not classified based on available information.

12. Ecological information

Ecotoxicity	Toxic to aquatic life with long lasting effects.
Other Adverse Effects	No other adverse environmental effects are expected from this component. (e.g ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential.)
Acute Toxicity - Other Organisms	Crustacea LC50 Water flea (Daphnia carinata) 200-400 mg/l (48 hrs) Crustacea LC50 Water flea (Daphnia carinata) 168.5 - 678.6 mg/l (24 hrs)
Other Information	An environment hazard cannot be excluded in the event of unprofessional handling or disposal.

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.
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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.
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15. Regulatory information

Regulatory Information	All of the significant ingredients in this formulation are compliant with Australian Industrial Chemicals Introduction Scheme (AICIS) regulations. Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
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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'.
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Contact Person/Point	Paul McCarthy Ph. (08) 8440 2000 DISCLAIMER STATEMENT: All information provided in this data sheet or by our technical representatives is compiled from the best knowledge available to us. However, since data, safety standards and government regulations are subject to change and the conditions of handling and use, or misuse, are beyond our control, we make no warranty either expressed or implied, with respect to the completeness or accuracy to the information contained herein. Chem-Supply accepts no responsibility whatsoever for its accuracy or for any results that may be obtained by customers from using the data and disclaims all liability for reliance on information provided in this data sheet or by our technical representatives.
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Empirical Formula & Structural Formula	C14 H23 N3 O10
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...End Of MSDS...

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