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| Infosafe No™ | 1CHSS | Issue Date : June 2019 | RE-ISSUED by CHEMSUPP |
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Product Name : **p-DIMETHYLAMINOENZALDEHYDE**

Not classified as hazardous

1. Identification

GHS Product Identifier p-DIMETHYLAMINOENZALDEHYDE

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

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SA 5013 Australia

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Emergency phone number CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

Recommended use of the chemical and restrictions on use Manufacture of dyes; medicine; reagent for arsphenamine, anthranilic acid, antipyrine, indole, skatole, indican, tryptophan, albumin, ergot alkaloids, colon bacteria, typhoid coli; for differentiating between serum eruptions and true scarlet fever; laboratory reagent.

Other Names

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|------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| <u>Name</u> | <u>Product Code</u> |
| p-DIMETHYLAMINOENZALDEHYDE AR | DA006 |
| 4-(Dimethylamino)enzaldehyde, 4-Dimethylaminobenzenecarbonal, Ehrlich's Reagent, 4 dimethylaminobenzenecarbonal, p-Formyldimethylaniline | |

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

3. Composition/information on ingredients

Chemical Characterization Solid

| Ingredients | Name | CAS | Proportion | Hazard Symbol | Risk Phrase |
|--------------------|-----------------------------|------------|-------------------|----------------------|--------------------|
| | 4-Dimethylaminobenzaldehyde | 100-10-7 | 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 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 If contact with the eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If persistent irritation occurs, 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 the National Poisons Information Centre (Phone Australia 13 11 26; New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures



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| Hazards from Combustion Products | Carbon and nitrogen oxides. Toxic gases and vapours may be released if involved in a fire. |
| Specific Methods | No limitations to the type of extinguishing media. Small fire: Use dry chemical, CO ₂ , water spray or foam. Large fire: Use water spray, fog or foam. |
| Specific hazards arising from the chemical | Combustible. Runoff may pollute waterways. Fire or heat may produce irritating, poisonous and/or corrosive gases. |
| Precautions in connection with Fire | Wear SCBA and structural firefighter's uniform. |

6. Accidental release measures

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| Spills & Disposal | Eliminate all ignition sources (no smoking, flares, sparks or flame) within at least 15m. Do NOT touch or walk through this product. Stop leak if safe to do so. Prevent entry into waterways, 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. |
| 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. |
| Clean-up Methods - Large Spillages | Seek expert advice on handling and disposal. |
| Environmental Precautions | Prevent from entering into drains, ditches, rivers or the sea. |

7. Handling and storage

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| Precautions for Safe Handling | Avoid generation or accumulation of dusts. Avoid prolonged or repeated contact with skin, eyes and clothing. Use in well ventilated areas away from all ignition sources. In case of insufficient ventilation, wear suitable respiratory equipment. |
| Conditions for safe storage, including any incompatibilities | Store in well ventilated area. Store away from sources of heat or ignition. Store away from oxidizing agents. Store in a cool, dry place. Keep containers securely sealed and protected against physical damage. Moisture sensitive. |

8. Exposure controls/personal protection

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| 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. |
| Appropriate engineering controls | 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. |
| 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. |
| 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. |



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| Footwear | Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use. |
| 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 contaminated clothing and other protective equipment before storing or re-using. |

9. Physical and chemical properties

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| Form | Solid |
| Appearance | White to pale yellow crystals. |
| Odour | Characteristic odour. |
| Melting Point | 72 - 75 °C |
| Boiling Point | 176 - 177 °C (23 hPa) |
| Solubility in Water | Insoluble in water. |
| Solubility in Organic Solvents | Soluble in alcohol and ether, chloroform, acetic acid. |
| Partition Coefficient: logP (o/w): | 1.81 |
| n-octanol/water | |
| Flash Point | >100 °C |
| Flammability | Combustible. |
| Molecular Weight | 149.19 |

10. Stability and reactivity

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| Chemical Stability | Stable under normal use conditons. Light sensitive. May discolour on exposure to light. |
| Conditions to Avoid | Light, heat, incompatibles. |
| Incompatible Materials | Strong oxidizers, strong bases. |
| Hazardous Decomposition Products | Carbon and nitrogen oxides. Toxic gases and vapours may be released if involved in a fire. |
| Hazardous Polymerization | Will not occur. |

11. Toxicological Information

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| Acute Toxicity - Oral | LD50 (rat): >6400 mg/kg |
| Ingestion | May be harmful if swallowed. |
| Inhalation | Irritating to respiratory tract and mucous membranes. May be harmful if inhaled. |
| Skin | Irritating in contact with skin. May be harmful if absorbed through the skin. |
| Eye | Causes eye irritation. |
| Carcinogenicity | No evidence of carcinogenic properties. |
| Mutagenicity | No evidence of mutagenic effects. |
| Other Information | To the best of our knowledge the chemical, physical and toxicity of this substance has not been fully investigated. However when handled correctly hazardous effects are unlikely to occur. |

12. Ecological information

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| Persistence and degradability | Partially biodegradable. |
| Environmental Fate | Behaviour in environmental compartments: Distribution: log P (o/w): 1.81 |
| Bioaccumulative Potential | log Pow: 1.81, bioaccumulation is not expected. |
| Acute Toxicity - Fish | LC50 (Pimephales promelas): 45.7 mg/l/96h. |



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13. Disposal considerations

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| 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

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| 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

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| Regulatory Information | Listed in the Australian Inventory of Chemical Substances (AICS). Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals. |
| Poisons Schedule | Not Scheduled |

16. Other Information

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| Literature References | 'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. 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 for the Preparation of Safety Data Sheets for 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 Chemical 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) 3rd Edition]'. Paul McCarthy Ph. (08) 8440 2000 DISCLAIMER STATEMENT: |
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Empirical Formula & Structural Formula (CH₃)₂ NC₆ H₄ CHO

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