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Safety Data Sheet (SDS / MSDS)

Prepared in accordance with GHS (Australia), EU CLP and OSHA HazCom 2012

Revision Date: 02 June 2025

Document Code: SDS-ASC-8069

Version: 1.0

Section 1: Identification

Product Name: 4-(Dimethylamino)benzaldehyde (DMAB)

Catalogue Number: ASC-8069

CAS Number: 100-10-7

Recommended Use: Laboratory reagent

Supplier: Ausamics Pty Ltd

Emergency Contact (Australia): 13 11 26 (Poisons Information Centre)

Section 2: Hazard Identification

GHS Classification:

Acute Toxicity (Oral) – Category 4

Skin Irritation – Category 2

Eye Irritation – Category 2A

Signal Word: WARNING

Hazard Statements:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary Statements:

Avoid contact with skin and eyes.

Wear protective gloves and eye protection.

Section 3: Composition / Information on Ingredients

Substance: 4-(Dimethylamino)benzaldehyde

CAS Number: 100-10-7

Purity: ≥ 98.5%

Section 4: First Aid Measures

Eye Contact: Rinse cautiously with water for several minutes.

Skin Contact: Wash with soap and water.

Inhalation: Move to fresh air.

Ingestion: Seek medical advice immediately.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media: Dry chemical, CO₂, foam.

Hazardous Combustion Products: Carbon oxides, nitrogen oxides.

Section 6: Accidental Release Measures

Avoid dust formation. Wear appropriate PPE.

Collect spill using non-sparking tools and dispose properly.

Section 7: Handling and Storage

Handle in well-ventilated area.

Store in tightly sealed container away from light and moisture.

Section 8: Exposure Controls / Personal Protection

Engineering Controls: Local exhaust ventilation.

PPE: Safety goggles, lab coat, chemical-resistant gloves.

Section 9: Physical and Chemical Properties

Appearance: Light yellow crystalline powder

Molecular Weight: 149.19 g/mol

Solubility: Organic solvents

Odour: Characteristic aromatic

Section 10: Stability and Reactivity

Stable under recommended storage conditions.

Avoid strong oxidising agents.

Section 11: Toxicological Information

Harmful if swallowed. Irritating to skin and eyes.

Section 12: Ecological Information

Avoid release into the environment.

Section 13: Disposal Considerations

Dispose according to local, regional and national regulations.

Section 14: Transport Information

Not classified as Dangerous Goods under ADG, IATA or IMDG (verify before shipment).

Section 15: Regulatory Information

Complies with GHS classification standards.

HS Code: 2912.29.00

Section 16: Other Information

For laboratory research use only.

Document prepared under controlled documentation system.