

Revision Date 08/04/2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifiers

Product name · DMAP Product Number : RC8011

: Advanced ChemTech Brand

CAS-No 1122-58-3

Relevant identified uses of the substance or mixture and uses advised against 1.2 Identified uses : Laboratory chemicals, Manufacture of substances

1.3 Details of the supplier of the safety data sheet

Advanced ChemTech

5609 Fern Valley Rd, Louisville, KY 40228 USA

Telephone : +1 833-317-5620 : +1 502-968-1000 Fax : +1 800-424-9300 Chemtrec Emergency telephone number

2. HAZARDS IDENTIFICATION

1.4

Classification of the substance or mixture: 2.1

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute toxicity, Oral (Category 3), H301 Acute toxicity, Dermal (Category 2), H310 Skin irritation (Category 2), H315 Eye irritation (Category 2A), H319

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335 For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2 GHS Label elements, including precautionary statements:

Pictogram





Signal word

Danger

Hazard statement(s) H301 Toxic if swallowed. H310 Fatal in contact with skin. H315 Causes skin irritation. Causes serious eye irritation. H319 H335 May cause respiratory irritation.

Precautionary statement(s)

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P262

Do not get in eyes, on skin, or on clothing. Wash skin thoroughly after handling. P270 Do not eat, drink or smoke when using this P264

product.

P271 . Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301 + P310 + P330 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. Rinse mouth.

P302 + P350 + P310 IF ON SKIN: Gently wash with plenty of soap and water. Immediately call a POISON

CENTER or doctor/ physician.

IF ON SKIN: Wash with plenty of soap and water. P302 + P352

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a

POISON CENTER or doctor/ physician if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if P305 + P351 + P338

present and easy to do. Continue rinsing.

If skin irritation occurs: Get medical advice/ attention. P332 + P313 P337 + P313 If eye irritation persists: Get medical advice/ attention. Take off contaminated clothing and wash before reuse. P362 Store in a well-ventilated place. Keep container tightly closed. P403 + P233

P405 Store locked up. Dispose of contents/ container to an approved waste disposal plant. P501

Hazards not otherwise classified (HNOC) or not covered by GHS – none 2.3

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances

Synonyms : 4-Dimethylaminopyridine

Formula : C₇H₁₀N₂ Molecular Weight : 122.17g/mole CAS-No. : 1122-58-3

Hazardous Components		
Component	Classification	Concentration
N,N-Dimethylpyridin-4-amine		
	Acute Tox. 3; Acute Tox. 2; Skin Irrit. 2; Eye Irrit. 2A;	<= 100 %
	STOT SE 3; H301, H310, H315, H319, H335	

No components need to be disclosed according to the applicable regulations. For the full text of the H-Statements mentioned in this Section, see Section 16

4. FIRST AID MEASURES



General advice: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

4.1 Description of first aid measures

If inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician. In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

- Most important symptoms and effects, both acute and delayed: The most important known symptoms and effects are described in the 4.2 labeling (see section 2.2) and/or in section 11
- Indication of any immediate medical attention and special treatment needed: No data available 4.3

5. FIREFIGHTING MEASURES

Extinguishing media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

- 5.2 Special hazards arising from the substance or mixture: No data available
- 5.3 Advice for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.
- Further information: No data available 5.4

6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions, protective equipment, and emergency procedure: Wear respiratory protection. Avoid dust formation. Avoid 6.1 breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.
- 6.2
- Environmental precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

 Methods and materials for containment and cleaning up: Pick up and arrange disposal without creating dust. Sweep up and shovel. 6.3 Keep in suitable, closed containers for disposal,
- 6.4 Reference to other sections: For disposal see section 13.

7. HANDLING AND STORAGE

- Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section
- Conditions for safe storage, including any incompatibilities: Keep container tightly closed in a dry and well-ventilated place. Storage 7.2 class (TRGS 510): Non-combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials
- 7.3 Specific end use(s): Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters 8.1

Components with workplace control parameters: Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls: Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling

Personal protective equipment

Eye/face protection: Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: Complete suit protecting against chemicals, The type of protective equipment must be selected according to the

concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a) Appearance Form: White to Off-White powder b) Odor no data available c) Odor Threshold no data available 11.14 at 5 °C (41 °F)

e) Melting point/freezing point Melting point/range: 108 - 110 °C (226 - 230 °F) - lit.

f) Initial boiling point and boiling range 162 °C (324 °F) at 67 hPa (50 mmHg)

g) Flash point 110 °C (230 °F) - closed cup

no data available h) Evaporation rate i) Flammability (solid, gas)
j) Upper/lower flammability or explosive limits no data available no data available

0.169 hPa (0.127 mmHg) at 25 °C (77 °F) k) Vapor pressure

I) Vapor densitym) Relative density no data available no data available n) Water solubility
o) Partition coefficient: n- octanol/water 76 g/l at 20 °C (68 °F) log Pow: 1.34 420 °C (788 °F) p) Auto-ignition temperature q) Decomposition temperature no data available

r) Viscosity no data available s) Explosive properties no data available

t) Oxidizing properties no data available 9.2 Other safety information: 10.14 at 5 °C (41 °F)



10. STABILITY AND REACTIVITY

Reactivity: No data available 10.1

Reactivity: No data available
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: No data available
Conditions to avoid: No data available 10.2

10.3

10.4

Incompatible materials: acids, Oxidizing agents 10.5

10.6 Hazardous decomposition products: Other decomposition products - no data available. In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: LD50 Oral - Rat - 140 mg/kg

Inhalation: No data available

Dermal: LD50 Dermal - Rabbit - 90 mg/kg LD50

Dermal - Guinea pig - 100 - 200 mg/kg

Skin corrosion/irritation: Irritating to skin

Serious eye damage/eye irritation: Irritating to eyes
Respiratory or skin sensitization: Buehler Test Result: Does not cause skin sensitisation.

Germ cell mutagenicity: No data available

Carcinogenicity:

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed IARC:

human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential

carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential

carcinogen by OSHA.

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: Inhalation - May cause respiratory irritation. Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Additional Information: RTECS: US9230000 Weakness, Convulsions

12. ECOLOGICAL INFORMATION

Toxicity: Toxicity to fish LC50 - Danio rerio (zebra fish) - 11.6 mg/l - 96 h

NOEC - Danio rerio (zebra fish) - 5 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates LC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h

Toxicity to algae EC50 - Pseudokirchneriella subcapitata (green algae) - 1.82 - 4.22 mg/l - 72 h

12.2 Persistence and degradability: No data available

Bioaccumulative potential: No bioaccumulation is to be expected (log Pow <= 4). 12.3

Mobility in soil: No data available 12.4

Results of PBT and VPVB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted 12.5

12.6 Other adverse effects: No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods 13.1

Product: Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

UN number: 2811 Class: 6.1 Packing group: II

Proper shipping name: Toxic solids, organic, n.o.s. (N,N-Dimethylpyridin-4-amine)

Reportable Quantity (RQ): Poison Inhalation Hazard: No

IMDG

UN number: 2811 Class: 6.1 Packing group: II EMS-No: F-A,S-A

Proper shipping name: TOXIC SOLID, ORGANIC, N.O.S. (N,N-Dimethylpyridin-4-amine)

Class: 6.1 Packing group: II

Proper shipping name: Toxic solid, organic, n.o.s. (N,N-Dimethylpyridin-4-amine)

15. REGULATORY INFORMATION

SARA 302 Components: SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components: SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Acute Health Hazard

Massachusetts Right to Know Components: No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right to Know Components

CAS-No Revision Date

1122-58-3

New Jersey Right to Know Components DMAP CAS-No.

Revision Date

1122-58-3



California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.

Eye Irrit.

Eye irritation

Toxic if swallowed. H310 Fatal in contact with skin. H315 Causes skin irritation. Causes serious eye irritation. H319 H335 May cause respiratory irritation.

Skin Irrit. Skin irritation

STOT SE Specific target organ toxicity - single exposure

HMIS Rating

Health hazard: Chronic Health Hazard:

Flammability: Physical Hazard 0 NFPA Rating
Health hazard: 4 Fire Hazard: Reactivity Hazard: 1 0 3 Health hazard: Fire Hazard: 1 Reactivity Hazard:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Advanced ChemTech shall not be liable for any damage resulting in the handling or from contact with the above product.