

MATERIAL SAFETY DATA SHEET

Product Name: Methyl red

CAS No.: 493-52-7

Version: 0

1. Identification

Product Code : 91781
Company Name : Advent Chembio Private Limited
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2. Hazards Identification**Hazard classification**

Chronic aquatic toxicity : Category 2

Label elements**Hazard symbol****Signal word** : None**Hazard statement** : Toxic to aquatic life with long lasting effects.**Precautionary statement** : Avoid release to the environment. Collect spillage.
Dispose of contents/ container to an approved waste disposal plant.**Supplemental Hazard Statements** : None.**3. Composition/information on ingredients**

Ingredient	CAS No
Methyl red	493-52-7

4. First Aid Measures**Description of first aid measures****General advice** : Consult a physician. Show this safety data sheet to the doctor in attendance.**Inhalation** : If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

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- Skin contact** : Wash off with soap and plenty of water. Consult a physician.
- Eye contact** : Flush eyes with water as a precaution.
- 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 labelling (see section 2) and/or in section 11
- Indication of any immediate medical attention and special treatment needed** : No data available

5. Fire fighting measures

- Extinguishing media**
- Suitable extinguishing media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Special hazards arising from the substance or mixture** : Carbon oxides, Nitrogen oxides (NO_x)
- Advice for firefighters** : Wear self contained breathing apparatus for fire fighting if necessary
- Further information** : No data available

6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures** : Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
- Environmental precautions** : Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
- Methods and materials for containment and cleaning up** : Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
- Reference to other sections** : For disposal see section 13.

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- Precautions for safe handling** : Provide appropriate exhaust ventilation at places where dust is formed.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Non Combustible Solids
- Specific end use(s)** : No data available

8. Exposure Controls Personal Protection**Control parameters****Components with workplace control parameters****Exposure controls**

Appropriate engineering controls : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

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

Skin Protection Hand 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 : Respiratory protection is not required.

9. Physical and Chemical Properties

Appearance : Dark violet crystalline powder.

Odor : No data available

pH : No data available

Melting point/freezing point : 179 - 182 °C

Initial boiling point and boiling range : No data available

Flash Point : No data available

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Vapor pressure	: No data available
Vapor density	: No data available
Relative density	: 0.989 g/cm ³
Solubility in water	: Slightly soluble
Solubility (other)	: No data available
Formula	: C ₁₅ H ₁₅ N ₃ O ₂
Molecular Weight	: 269.30 g/mol

10. Stability and Reactivity

Reactivity	: No data available
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: No data available
Conditions to avoid	: No data available
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	: No data available

11. Toxicological Information**Information on toxicological effects**

Acute toxicity	: No data available
Skin corrosion/irritation	: No data available
Serious eye damage/eye irritation	: No data available
Respiratory or skin sensitization	: No data available
Germ cell mutagenicity	: Laboratory experiments have shown mutagenic effects.
Carcinogenicity	: Carcinogenicity - Rat - Oral Tumorigenic: Equivocal tumorigenic agent by RTECS criteria. Liver: Tumors. This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification. IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-(4-Dimethylaminophenylazo)benzoic acid)
Reproductive toxicity	: No data available
Specific target organ toxicity - single exposure	: No data available
Specific target organ toxicity - repeated exposure	: No data available

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Toxicity : Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 7 mg/l - 96 h

Persistence and degradability : Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

Bioaccumulative potential : No data available

Mobility in soil : No data available

Other adverse effects : Toxic to aquatic life with long lasting effects.

13. Disposal consideration

Disposal instructions : Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated packaging : Offer rinsed packaging material to local recycling facilities. Since emptied containers retain product residue, follow label warnings even after container is emptied.

14. Transport Information

	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT				Not dangerous goods	
IMDG				Not dangerous goods	
IATA				Not dangerous goods	

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

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