



Product Name: Manganese chloride tetrahydrate CAS No.: 13446-34-9 Version: 0

1. Identification

Product Code : 90273, 90676

Company Name : Advent Chembio Private Limited

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2. Hazards Identification

Hazard classification

Acute toxicity, Oral : Category 4

Label elements Hazard symbol



Signal word : Warning

Hazard statement : Harmful if swallowed.

Precautionary statement : None **Supplemental Hazard** : None

Statements

3. Composition/information on ingredients

IngredientCAS NoPercentManganese chloride tetrahydrate13446-34-9NLT- 99.0%

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.

Skin contact : Wash off with soap and plenty of water.





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Flush eyes with water as a precaution. **Eve contact**

Swallowed Never give anything by mouth to an unconscious person. Rinse

mouth with water.

Most important symptoms and effects, both acute and delayed Indication of any immediate medical attention and special treatment needed Treatment

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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

Hydrogen chloride gas, Manganese/manganese oxides

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

Use personal protective equipment. Avoid dust formation.

Avoid breathing vapors, mist or gas. Ensure adequate

ventilation. Avoid breathing dust.

Prevent further leakage or spillage if safe to do so. Do not let **Environmental precautions**

product enter drains. Discharge into the environment must be

avoided.

Methods and materials for containment and cleaning up Reference to other sections

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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.

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.





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Specific end use(s) No data available

8. Exposure Controls Personal Protection

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering

controls

Personal protective equipment

Eve/face protection : Safety glasses with side-shields conforming to EN166 Use

equipment for eye protection tested and approved under appropriate

government standards such as NIOSH (US) or EN 166(EU).

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

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.

Complete suit protecting against chemicals, The type of protective **Body Protection**

> equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

: Respiratory protection is required. **Respiratory protection**

9. Physical and Chemical Properties

: Light red crystals **Appearance** Odor : No data available : 4.0 - 6 at 99 g/l at 25 °C pH

Melting point/freezing point 58 °C

Initial boiling point and boiling : No data available

range

Flash Point : No data available : No data available Vapor pressure Vapor density : No data available





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Relative density : 1.913 g/cm³

Solubility in water : 99 g/l at 20 °C - completely soluble

Solubility (other): No data availableFormula: Cl2Mn · 4H2OMolecular Weight: 197.91 g/mol

10. Stability and Reactivity

Reactivity : No data available

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous : No data available

reactions

Conditions to avoid : No data available

Incompatible materials : Sodium/sodium oxides, Strong acids, Potassium, Zinc

Hazardous decomposition : No data available

products

11. Toxicological Information

Information on toxicological effects

Acute toxicity : LD50 Oral - rat - 1.484 mg/kg

Skin corrosion/irritation : No data available **Serious eye damage/eye** : No data available

irritation

Respiratory or skin sensitization : No data available **Germ cell mutagenicity** : No data available

Carcinogenicity : IARC:

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

human carcinogen by IARC.

Reproductive toxicity : No data available **Specific target organ toxicity** - : No data available.

single exposure

Specific target organ toxicity - : No data available

repeated exposure

Aspiration hazard : No data available

Potential health effects

Inhalation : May be harmful if inhaled. May cause respiratory tract

irritation.

Ingestion : Harmful if swallowed.

Skin : May be harmful if absorbed through skin. May cause skin

irritation.





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Eyes : May cause eye irritation.

Signs and Symptoms of : To the best of our knowledge, the chemical, physical, and

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investigated.

12. Ecological Information

Exposure

Toxicity : Toxicity to fish :

LC50 - Carassius auratus (goldfish) - 18,8 mg/l - 7 d

Toxicity to daphnia and other aquatic invertebrates:

EC50 - Daphnia magna (Water flea) -> 11 mg/l - 48 h

Persistence and degradability Bioaccumulative potential

Bioaccumulative potentia Mobility in soil No data availableNo data availableNo data availableHarmful to aquatic life.

Other adverse 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.





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

16. Other Information

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