

MATERIAL SAFETY DATA SHEET

Product Name: Phenolphthalein

CAS No.: 77-09-8

Version: 0

1. Identification

Product Code : 91778
Company Name : Advent Chembio Private Limited
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2. Hazards Identification**Hazard classification**

Carcinogenicity : Category 1B
Germ cell mutagenicity : Category 2
Reproductive toxicity : Category 2

Label elements**Hazard symbol**

Signal word : Danger
Hazard statement : Suspected of causing genetic defects.
May cause cancer.
Suspected of damaging fertility or the unborn child.
Precautionary statement : Obtain special instructions before use.
Use personal protective equipment as required.
IF exposed or concerned: Get medical advice/ attention.
Storage : Store locked up.
Other hazards which do not result in GHS classification : None.

3. Composition/information on ingredients

Ingredient	CAS No
PHENOLPHTHALEIN	77-09-8

4. First Aid Measures**Description of first aid measures**

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- 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.
- 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** : To the best of our knowledge, the chemical, physical, and toxicological properties have not been Thoroughly investigated.
- Indication of any immediate medical attention and special treatment needed Treatment** : 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
- 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 vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Avoid breathing X` dust.
- 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.

MATERIAL SAFETY DATA SHEET**Product Name:** Phenolphthalein**CAS No.:** 77-09-8**Version:** 0**7. Handling and Storage**

- Precautions for safe handling** : Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Avoid exposure - obtain special instructions before use.
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, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects
- 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**

: 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).

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

: Impervious clothing, 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).

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Appearance	: A white crystalline powder
Odor	: No data available
pH	: No data available
Melting point/freezing point	: 261 - 263 °C - lit.
Initial boiling point and boiling range	: No data available
Flash Point	: No data available
Vapor pressure	: No data available
Vapor density	: No data available
Relative density	: No data available
Solubility in water	: 0.0336 g/l at 25 °C
Solubility (other)	: No data available
Formula	: C ₂₀ H ₁₄ O ₄
Molecular Weight	: 318.32 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	: Other 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	: Mouse Result: Did not cause sensitisation on laboratory animals. (OECD Test Guideline 429)
Germ cell mutagenicity	: In vitro tests showed mutagenic effects Hamster ovary

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- Carcinogenicity** : Cytogenetic analysis
 Mouse
 Micronucleus test
 : Carcinogenicity - Rat - Oral
 Tumorigenic: Carcinogenic by RTECS criteria. Kidney, Ureter, Bladder: Tumors. Endocrine: Adrenal cortex tumors.
 Carcinogenicity - Mouse - Oral
 Tumorigenic: Carcinogenic by RTECS criteria.
 Endocrine: Tumors. Skin and Appendages: Other: Tumors.
 Possible human carcinogen
 IARC: 2B - Group 2B: Possibly carcinogenic to humans (Phenolphthalein)
- Reproductive toxicity** : No data available
- Specific target organ toxicity - single exposure** : No data available
- Specific target organ toxicity - repeated exposure** : No data available
- Aspiration hazard** : No data available

12. Ecological Information

- Toxicity** : No data available
- Persistence and degradability** : No data available
- Bioaccumulative potential** : No data available
- Mobility in soil** : No data available.
- Other adverse effects** : No data available

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		

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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.

16. Other Information

Issue Date :01/08/2014

Version : 0

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