

MATERIAL SAFETY DATA SHEET

Product Name: 1-Naphthol

CAS No.: 90-15-3

Version: 1

1. Identification

Product Code : 90692,91518
Company Name : Advent Chembio Private Limited
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2. Hazards Identification**Hazard classification**

Acute toxicity, Oral : Category 4
Acute toxicity, Dermal : Category 3
Skin irritation : Category 2
Serious eye damage : Category 1
Specific target organ toxicity - single exposure : Category 3
Chronic aquatic toxicity : Category 2

Label elements**Hazard symbol**

Signal word : Danger

Hazard statement : Harmful if swallowed.
Toxic in contact with skin.
Causes skin irritation.
Causes serious eye damage.
May cause respiratory irritation.
Toxic to aquatic life with long lasting effects.

Precautionary statement : Avoid release to the environment.
Wear eye protection/ face protection.
Wear protective gloves/ protective clothing.
IF ON SKIN: Wash with plenty of water. 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 present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician. Collect spillage.

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Ingredient	CAS No
1-Naphthol	90-15-3

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.

Skin contact : Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

Eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

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 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

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- Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing 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.

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.
Light sensitive. Store under inert gas. Air sensitive. Air and light sensitive.
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**

- : 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 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

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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 required.

9. Physical and Chemical Properties

- Appearance** : Almost pink to grey crystals or crystalline powder with a characteristic odour.
- Odor** : No data available
- pH** : No data available
- Melting point/freezing point** : 94 - 96 °C
- Initial boiling point and boiling range** : 278 - 280 °C
- Flash Point** : 125 °C
- Vapor pressure** : 2.3 hPa at 100 °C
- Vapor density** : No data available
- Relative density** : No data available
- Solubility in water** : No data available
- Solubility (other)** : No data available
- Formula** : C₁₀H₈O
- Molecular Weight** : 144.17 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, Strong bases
- Hazardous decomposition products** : No data available

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

- Acute toxicity** : LD₅₀ Oral - Rat - 1.870 mg/kg
LD₅₀ Dermal - Rabbit - 880 mg/kg

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	Remarks: Liver:Other changes. Kidney, Ureter, Bladder:Other changes. Blood:Changes in spleen.
Skin corrosion/irritation	: Severe skin irritation
Serious eye damage/eye irritation	: Severe eye 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 - single exposure	: Inhalation - May cause respiratory irritation.
Specific target organ toxicity - repeated exposure	: No data available
Aspiration hazard	: No data available
Potential health effects	
Inhalation	: No data available
Ingestion	: No data available
Skin	: No data available
Eyes	: No data available
Signs and Symptoms of Exposure	: Cough, Shortness of breath, Headache, Nausea, Vomiting, To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological Information

Toxicity	: Toxicity to fish : LC50 - Pimephales promelas (fathead minnow) - 4,1 - 4,7 mg/l - 96 h
Persistence and degradability	: No data available
Bioaccumulative potential	: No data available
Mobility in soil	: No data available
Other adverse effects	: Toxic to aquatic life with long lasting effects.

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- 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	2811	1-Naphthol	6.1	III	Yes
IMDG	2811	1-Naphthol	6.1	III	Yes
IATA	2811	1-Naphthol	6.1	III	Yes

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 :**24/04/2016**Version** : 1

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