

**MATERIAL SAFETY DATA SHEET****Product Name:** Naphthalene**CAS No.:** 91-20-3**Version:** 0**1. Identification**

**Product Code** : 91862  
**Company Name** : Advent Chembio Private Limited  
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**2. Hazards Identification****Hazard classification**

Flammable solids : Category 2  
Acute toxicity, Oral : Category 4  
Carcinogenicity : Category 2  
Acute aquatic toxicity : Category 1  
Chronic aquatic toxicity : Category 1

**Label elements****Hazard symbol****Signal word**

: Warning

**Hazard statement**

: Flammable solid.  
Harmful if swallowed.  
Suspected of causing cancer.  
Very toxic to aquatic life with long lasting effects.  
: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.  
Rinse mouth.  
In case of fire: Use dry powder or dry sand to extinguish.

**Precautionary statement****Storage**

: Store locked up.

**Other hazards which do not result in GHS classification**

: None.

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**3. Composition/information on ingredients**

Ingredient	CAS No	Percent
NAPHTHALENE	91-20-3	NLT-99.0%

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

<b>General advice</b>	:	Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>Inhalation</b>	:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
<b>Skin contact</b>	:	Wash off with soap and plenty of water. Consult a physician.
<b>Eye contact</b>	:	Flush eyes with water as a precaution.
<b>Swallowed</b>	:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
<b>Most important symptoms and effects, both acute and delayed</b>	:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been Thoroughly investigated.
<b>Indication of any immediate medical attention and special treatment needed</b>	:	No data available

**5. Fire fighting measures**

<b>Extinguishing media</b>	:	
<b>Suitable extinguishing media</b>	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Special hazards arising from the substance or mixture</b>	:	No data available
<b>Advice for firefighters</b>	:	Wear self contained breathing apparatus for fire fighting if necessary
<b>Further information</b>	:	Use water spray to cool unopened containers.

**6. Accidental Release Measures**

<b>Personal precautions, protective equipment and emergency procedures</b>	:	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.
<b>Environmental precautions</b>	:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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- Methods and materials for containment and cleaning up** : Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. Keep in suitable, closed containers for disposal. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations.
- 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. Keep away from sources of ignition  
- No smoking. Take measures to prevent the build up of electrostatic charge.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Flammable solid hazardous materials.
- 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**

- : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. 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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<b>Appearance</b>	: A white scale
<b>Odor</b>	: No data available
<b>pH</b>	: No data available
<b>Melting point/freezing point</b>	: 80 - 82 °C - lit.
<b>Initial boiling point and boiling range</b>	: 218 °C - lit.
<b>Flash Point</b>	: 80,0 °C - closed cup
<b>Vapor pressure</b>	: 1.3 hPa at 53.0 °C 0.04 hPa at 25.0 °C
<b>Vapor density</b>	: No data available
<b>Relative density</b>	: 1.085 g/cm <sup>3</sup> at 24.7 °C
<b>Solubility in water</b>	: 0.0308 g/l at 25 °C
<b>Solubility (other)</b>	: No data available
<b>Formula</b>	: C <sub>10</sub> H <sub>8</sub>
<b>Molecular Weight</b>	: 128.17 g/mol

**10. Stability and Reactivity**

<b>Reactivity</b>	: No data available
<b>Chemical stability</b>	: Stable under recommended storage conditions
<b>Possibility of hazardous reactions</b>	: No data available
<b>Conditions to avoid</b>	: Heat, flames and sparks.
<b>Incompatible materials</b>	: Heat, flames and sparks.
<b>Hazardous decomposition products</b>	: Hazardous decomposition products formed under fire conditions. - Carbon oxides Other decomposition products - No data available

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

<b>Acute toxicity</b>	: LD <sub>50</sub> Oral - Rat - 490,0 mg/kg LC <sub>50</sub> Inhalation - Rat - male and female - 4 h - > 0,4 mg/l (OECD Test Guideline 403) LD <sub>50</sub> Dermal - Rabbit - 20.000 mg/kg
<b>Skin corrosion/irritation</b>	: Skin - Rabbit Result: No skin irritation - 24 h
<b>Serious eye damage/eye irritation</b>	: Eyes - Rabbit Result: Mild eye irritation
<b>Respiratory or skin sensitization</b>	: Maximisation Test - Guinea pig Result: Does not cause skin sensitisation. (OECD Test Guideline 406)

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- Germ cell mutagenicity** : Ames test  
S. typhimurium  
Result: negative  
Rat - male  
Result: negative
- Carcinogenicity** : Carcinogenicity - Rat - male and female - inhalation (vapour)  
Tumorigenic: Tumors at site or application.  
This product is or contains a component that has been reported to be possibly carcinogenic based on its IARC, ACGIH, NTP, or EPA classification. Limited evidence of carcinogenicity in animal studies  
IARC: 2B - Group 2B: Possibly carcinogenic to humans (Naphthalene)
- 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** : Toxicity to fish  
flow-through test LC50 - Pimephales promelas (fathead minnow) – 7.9 mg/l -96 h  
(OECD Test Guideline 203)
- Persistence and degradability** : Toxicity to daphnia and other aquatic invertebrates  
static test EC50 - Daphnia magna (Water flea) - 2,16 mg/l - 48 h  
Biodegradability aerobic - Exposure time 28 d  
Result: 2 % - Not readily biodegradable.
- Bioaccumulative potential** : Bioaccumulation Fish  
Bioconcentration factor (BCF): 427 - 1.158
- Mobility in soil** : No data available.
- Other adverse effects** : Very 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

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<b>DOT</b>	1334	NAPHTHALENE	4.1	III	No
<b>IMDG</b>	1334	NAPHTHALENE	4.1	III	No
<b>IATA</b>	1334	NAPHTHALENE	4.1	III	No

**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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