

**MATERIAL SAFETY DATA SHEET**

<b>Product Name</b>	<b>ACENAPHTHENE FOR SYNTHESIS</b>
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**1. Identification of the substance/mixture and of the company/undertaking**

**1.1 Product identifier**

**Trade name :** ACENAPHTHENE FOR SYNTHESIS

**Product code :** A0004

**Identification of the product:** ACENAPHTHENE FOR SYNTHESIS

**CAS No :** 83-32-9

**1.2 Relevant identified uses of the substance or mixture and uses advised**

**againstUse:** Industrial. For professional use only.

**1.3 Details of the supplier of the safety data sheet**

**Company identification:** CYNOR

National industry, Pipodra GIDC, Surat-394110, Gujarat, India.

**Email:** cynorlaboratories@gmail.com **Mobile No.:** +91 8799070507

**2. Hazards identification -DSD**

**2.1 Classification of the substance or mixture**

**Classification EC 67/548 or EC 1999/45**

**Classification :** N; R51

**Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)**

Not classified.

**2.2 Label element**

**Labelling EC 67/548 or EC 1999/45**

**Symbol(s) :** N : Dangerous for the environment

**R Phrase(s) :** R51 : Toxic to aquatic organisms.

R53 : May cause long-term adverse effects in the aquatic environment.

**S Phrase(s) :** S61 : Avoid release to the environment. Refer to special instructions/Safetydata sheets.

**Labelling Regulation EC 1272/2008 (CLP)**

Not classified.

**2.3 Other hazards**

**Other hazards :** The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

**3. Composition/information on ingredients**

**Substance / Preparation:** ACENAPHTHENE 96%

**CAS No :** 83-32-9

Substance.

Contains no other components or impurities which will influence the classification of the product.

**4. First aid measures**

**4.1 Description of first aid measures**

**Inhalation :** Assure fresh air breathing. Allow the victim to rest.

**Skin contact :** Remove affected clothing and wash all exposed skin area with mild soap and

water, followed by warm water rinse.

**Eye contact** : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persist.

**Ingestion** : Obtain emergency medical attention. Rinse mouth. Do NOT induce vomiting.

#### **4.2 Most important symptoms and effects, both acute and delayed**

**Symptoms relating to use** : Not expected to present a significant hazard under anticipated conditions of normal use.

#### **4.3 Indication of any immediate medical attention and special treatment needed**

**General information** : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

### **5. Fire-fighting measures**

#### **5.1 Extinguishing media**

**Suitable extinguishing media** : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

**Unsuitable extinguishing media** : Do not use a heavy water stream.

**Surrounding fires** : Use water spray or fog for cooling exposed containers.

#### **5.2 Specific hazards arising from the substance or mixture**

**Hazardous combustion products** : Under fire conditions, hazardous fumes will be present.

#### **5.3 Advice for fire-fighters**

**Protection against fire** : Do not enter fire area without proper protective equipment, including respiratory protection.

**Special procedures** : Exercise caution when fighting any chemical fire. Avoid (reject) fire-fighting water to enter environment

### **6. Accidental release measures**

#### **6.1 Personal precautions, protective equipment and emergency procedures**

**For emergency responders:**

Equip cleanup crew with proper protection. Ventilate area

**For non-emergency personnel:**

Evacuate unnecessary personnel.

#### **6.2 Environmental precautions**

**Environmental precautions** : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters

#### **6.3 Methods and material for containment and cleaning up**

**Clean up methods** : On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.

#### **6.4 Reference to other sections**

See section 8. Exposure controls/personal protection

### **7. Handling and storage**

#### **7.1 Precautions for safe handling**

**Handling** : Wash hands and other exposed areas with mild soap and water before eat, drink or smoke and when leaving work.

**Technical protective measures** : Provide good ventilation in process area to prevent formation of vapour.

#### **7.2 Conditions for safe storage, including any incompatibilities**

**Storage** : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

**Storage - away from :** Strong bases. Strong acids. Sources of ignition. Direct sunlight.

**7.3 Specific end use(s)**

**Specific end use(s) :** None

**8. Exposure controls/personal protection**

**8.1 Exposure control**

**Personal protection :** Avoid all unnecessary exposure.

- **Respiratory protection :** Wear approved mask.
- **Hand protection :** Wear protective gloves.
- **Eye protection :** Chemical goggles or safety glasses.
- **Others :** When using, do not eat, drink or smoke.

**8.2 Control parameters**

**Occupational Exposure Limits :** No data available

**9. Physical and chemical properties**

**9.1 Information on basic physical and chemical properties**

**Physical state at 20 °C:** Solid

**Odour:** No data available.

**Odour threshold:** No data available.

**pH value:** Not applicable.

**Melting point [°C] :** 90 - 94 °C

**Decomposition point [°C] :** N/A

**Critical temperature [°C] :** N/A

**Auto-ignition temperature [°C] :** N/A

**Flammability (solid, gas) :** N/A

**Flash point [°C] :** N/A

**Boiling point [°C] :** 279 °C

**Initial boiling point [°C] :** N/A

**Final boiling point [°C] :** N/A

**Evaporation rate :** N/A

**Vapour pressure [20°C] :** N/A

**Vapour pressure mm/Hg :** N/A

**Vapour density :** N/A

**Density [g/cm<sup>3</sup>] :** 1,02

**Relative density, gas (air=1) :** N/A

**Relative density, liquid (water=1) :** N/A

**Solubility in water [% weight] :** Insoluble in water

**Solubility in water :** N/A

**Log Pow octanol / water at 20°C :** No data available.

**Solubility :** N/A

**Viscosity at 40°C [mm<sup>2</sup>/s] :** N/A

**9.2 Other information**

**Explosive properties :** N/A

Explosion limits - upper [%] : N/A  
Explosion limits - lower [%] : N/A  
Oxidising properties : No data available.

#### **10. Stability and reactivity**

##### **10.1 Reactivity**

**Reactivity** : Not established.

##### **10.2 Chemical stability**

**Chemical stability** : Stable under recommended storage conditions.

##### **10.3 Possibility of hazardous reactions**

**Hazardous reactions** : Not established.

##### **10.4 Conditions to avoid**

**Conditions to avoid** : Direct sunlight. Extremely high or low temperatures.

##### **10.5 Incompatible materials**

**Materials to avoid** : Strong acids. Strong bases.

##### **10.6 Hazardous decomposition products**

**Hazardous decomposition products** : Fumes. Carbon monoxide. Carbon dioxide.

#### **11. Toxicological information**

##### **11.1 Information on toxicological effects**

###### **Acute toxicity**

- **Inhalation:** Based on available data, the classification criteria are not met.
- **Dermal:** Based on available data, the classification criteria are not met.
- **Ingestion:** Based on available data, the classification criteria are not met.
- Corrosion:** Based on available data, the classification criteria are not met.
- Irritation:** Based on available data, the classification criteria are not met.
- Sensitization:** Based on available data, the classification criteria are not met.
- Mutagenicity:** Based on available data, the classification criteria are not met.
- Carcinogenicity:** Based on available data, the classification criteria are not met.
- Toxic for reproduction:** Based on available data, the classification criteria are not met.
- STOT-single exposure:** Based on available data, the classification criteria are not met.
- STOT-repeated exposure:** Based on available data, the classification criteria are not met.
- Aspiration hazard:** Based on available data, the classification criteria are not met.

#### **12. Ecological information**

##### **12.1 Toxicity**

**Toxicity information** : Not established.

##### **12.2 Persistence – degradability**

**Persistence - degradability** : Biodegradable.

##### **12.3 Bioaccumulative potential**

**Bioaccumulative potential** : Not established.

##### **12.4 Mobility in soil**

**Mobility in soil** : Not established.

##### **12.5 Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

##### **12.6 Other adverse effects**

**Environmental precautions** : Avoid release to the environment.

### **13. Disposal considerations**

#### **13.1 Waste treatment methods**

**General** : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.

### **14. Transport information**

#### **14.1 Land transport (ADR-RID)**

**Proper shipping name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.

**UN N°** : 3077

**H.I. nr** : 90

**ADR - Class** : 9

**Labelling - Transport** : 9 : Miscellaneous dangerous substances and articles.

**ADR - Classification code** : M7

**ADR - Group** : III

**ADR - Packing instructions** : P002 R001 LP002

**ADR - Limited Quantity** : 5 KG

**ADR - Tunnel code**

: E : Passage forbidden through tunnels of category E.

#### **14.2 Sea transport (IMDG) [English only]**

**Proper shipping name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S

**UN N°** : 3077

**IMO-IMDG - Class or division** : 9 : Miscellaneous dangerous substances and articles.

**IMO-IMDG - Packing group** : III

**IMO-IMDG - Packing instructions** : P002 LP02

**IMO-IMDG - Limited quantities** : 5 kg

**IMO-IMDG - Marine pollution** : Yes

**EMS-Nr** : F-A S-F

#### **14.3 Air transport (ICAO-IATA) [English only]**

**Proper shipping name** : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,SOLID, N.O.S.

**UN N°** : 3077

**IATA - Class or division** : 9 : Miscellaneous dangerous substances and articles.

**IATA - Packing group** : III

**IATA - Passenger and Cargo Aircraft** : ALLOWED

- **Passenger and Cargo - Packing** : 956  
instruction

- **Passenger and Cargo - Maximum** : 400 kg  
Quantity/Packing

**IATA - Cargo only** : ALLOWED

- **Cargo only - Packing instruction** : 956

- **Cargo only - Maximum Quantity/** : 400 kg

**Packing**

**IATA - Limited Quantities** : 30 kg G

**ERG-Nr** : 9L



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## 15. Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**Safety, health and environmental** : Ensure all national/local regulations are observed.

**regulations/legislation specific for the substance or mixture**

**REACH Restrictions - Annex XVII** : The components of this product are not subject to restrictions.

**REACH Authorisation - Annex XIV** : The components of this product are not subject to authorization.

### 15.2 Chemical safety assessment

It has not been carried out.

## 16. Other information

**Abbreviations and acronyms** : PBT: persistent, bioaccumulative and toxic. vPvB: very persistent and very bioaccumulative

**Sources of key data used** : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

**Further information** : None.

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### End of document

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