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## MATERIAL SAFETY DATA SHEET (MSDS)

### N-HEPTANOL AR (FOR SYNTHESIS)

#### 1. Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Trade name : N-HEPTANOL AR (FOR SYNTHESIS)

Product code : SS0117500500

Identification of the product : Heptyl alcohol  
 CAS No: 111-70-6  
 EC No :203-897-9

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : Industrial. For professional use only.

##### 1.3. Details of the supplier of the safety data sheet

Company identification SUVCHEM  
 Chaitanya Tower, 2nd Floor, Office # 206,  
 Siddharth Nagar, S.V. Road,  
 Goregaon (West), Mumbai - 400062,  
 Maharashtra, India.  
 Contact: +91 22 28725393 / 94 / 95  
 Email ID: info@suvchem.com/care@suvchem.com

##### 1.4. Emergency telephone number

Phone no. : + 91 22 28725393 / 94 / 95 (9:00am - 6:00 pm) [ Office hours ]

#### 2. Hazards identification -DSD

##### 2.1. Classification of the substance or mixture

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

Classification : Xn; R21/22  
 Xi; R36

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

Health hazards : Acute toxicity, dermal - Category 4 - Warning (CLP : Acute Tox. 4) H312  
 Eye irritation - Category 2A - Warning (CLP : Eye Irrit. 2) H319  
 Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302

##### 2.2. Label elements

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

**MATERIAL SAFETY DATA SHEET (MSDS)**
**N-HEPTANOL AR (FOR SYNTHESIS)**
**2. Hazards identification -DSD (continued)**

Symbol(s)



Symbol(s)

: Xn : Harmful

R Phrase(s)

 : R21/22 : Harmful in contact with skin and if swallowed.  
 R36 : Irritating to eyes.

S Phrase(s)

: S36/37 : Wear suitable protective clothing and gloves.

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

Hazard pictograms



Signal words

: Warning

Hazard statements

 : H302 : Harmful if swallowed.  
 H312 : Harmful in contact with skin.  
 H319 : Causes serious eye irritation.

Precautionary statements

**• Prevention**

 : P280: Wear protective gloves, protective clothing, eye protection, face protection.  
 P264: Wash thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.

**• Response**

 : P302+P352: IF ON SKIN : Wash with plenty of soap and water.  
 P301+P312: IF SWALLOWED : Call a POISON CENTER or doctor if you feel unwell.  
 P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P363: Wash contaminated clothing before reuse.  
 P337+P313: If eye irritation persists: Get medical advice/attention.

**• Disposal considerations**

: P501: Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**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

: Heptyl alcohol

 EC No :203-897-9  
 Substance.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**N-HEPTANOL AR (FOR SYNTHESIS)**
**3. Composition/information on ingredients (continued)**

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. Immediately call a POISON CENTER or doctor. Specific treatment (see on this label). Wash with plenty of soap and water. Wash contaminated clothing before reuse. |
| Eye contact  | : Get medical advice. If eye irritation persists : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  |
| Ingestion    | : Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.  |

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

|                          |   |
|--------------------------|---|
| Symptoms relating to use | : Repeated exposure to this material can result in absorption through skin causing significant health hazard.<br>Swallowing a small quantity of this material will result in serious health hazard.<br>Causes serious eye irritation. |
|--------------------------|---|

**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. Special 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. |
|-------------------------|---|

**MATERIAL SAFETY DATA SHEET (MSDS)**
**N-HEPTANOL AR (FOR SYNTHESIS)**
**5. Fire-fighting measures (continued)**

**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** : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage.

**6.4. Reference to other sections**

See section 8. Exposure controls/personal protection

**7. Handling and storage**
**7.1. Precautions for safe handling**

**Handling** : Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

**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.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**N-HEPTANOL AR (FOR SYNTHESIS)**
**8. Exposure controls/personal protection**
**8.1. Exposure controls**

|                          |   |
|--------------------------|---|
| 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            | : Liquid.              |
| Colour                             | : Clear Colorless      |
| Odour                              | : Alcohol like         |
| Odour threshold                    | : 0.49 ppm             |
| pH value                           | : No data available.   |
| Melting point [°C]                 | : -36 °C               |
| Decomposition point [°C]           | : N/A                  |
| Critical temperature [°C]          | : 365 °C               |
| Auto-ignition temperature [°C]     | : 350 °C               |
| Flammability (solid, gas)          | : N/A                  |
| Flash point [°C]                   | : 70 °C                |
| Boiling point [°C]                 | : 176 °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/cm3]                    | : 0.822 g/cm3 at 25 °C |
| Relative density, gas (air=1)      | : N/A                  |
| Relative density, liquid (water=1) | : N/A                  |
| Solubility in water [% weight]     | : N/A                  |
| Solubility in water                | : N/A                  |

**MATERIAL SAFETY DATA SHEET (MSDS)**
**N-HEPTANOL AR (FOR SYNTHESIS)**
**9. Physical and chemical properties (continued)**

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.

**MATERIAL SAFETY DATA SHEET (MSDS)**
**N-HEPTANOL AR (FOR SYNTHESIS)**
**11. Toxicological information (continued)**

|                        |   |
|------------------------|---|
| • Dermal               | : Harmful in contact with skin.                                     |
| • Ingestion            | : Harmful if swallowed.   |
| Corrosion              | : Based on available data, the classification criteria are not met. |
| Irritation             | : Causes serious eye irritation.                                    |
| 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**



**MATERIAL SAFETY DATA SHEET (MSDS)**
**N-HEPTANOL AR (FOR SYNTHESIS)**
**13. Disposal considerations (continued)**

**General** : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations.  
 Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

**14. Transport information**
**14.1. Land transport (ADR-RID)**

**General information** : Not regulated.

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

**General information** : Not regulated.

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

**General information** : Not regulated.

**15. Regulatory information**
**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Safety, health and environmental regulations/legislation specific for the substance or mixture** : Ensure all national/local regulations are observed.

**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**

**Chemical Safety Assessment** : It has not been carried out.

**16. Other information**

**Revision** : Revision - See : \*

**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.



## MATERIAL SAFETY DATA SHEET (MSDS)

### N-HEPTANOL AR (FOR SYNTHESIS)

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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