



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : I 70429  
Product Name : ISO OCTANE A.R.

Manufacturer/supplier identification

Company : NICE Chemicals (P) Ltd., Cochin, India  
Tel - 0484 2800212, 2802755

Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483  
Emergency Telephone No. : 0484 2801583 Tele fax No. : 0484 2802483

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : 2,2,4-trimethylpentane; Isobutyltrimethylmethane; iso-Octane

CAS-No : 540-84-1 EC No. : 208-759-1  
Molar Mass : 114.23 EC Index No. : 601-009-00-8  
Molecular Formula : C<sub>8</sub>H<sub>18</sub>

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3. HAZARDS IDENTIFICATION : Highly flammable.

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## 4. FIRST AID MEASURES

After skin contact : Wash off with plenty of water.

Remove contaminated clothing.

After eye contact : Rinse out with plenty of water with the eyelid  
held wide open.

After inhalation : Fresh air. If necessary apply mouth-to-mouth  
resuscitation or mechanical ventilation.

After swallowing : Caution if victim vomits. Risk of aspiration! Summon  
doctor. Laxative : Paraffin oil (3 ml/kg). Activated Charcoal. No milk.

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**5. FIRE-FIGHTING MEASURES** : Suitable extinguishing media : CO<sub>2</sub>, Foam, Powder.

Special risks : Combustible. Vapours heavier than air. Formation of explosion mixture possible with air. Keep away from sources of ignition. Take measures to prevent electrostatic charging.

Special protective equipment for fire fighting : Do not stay in dangerous zone without self-contained breathing apparatus.

Other information : Cool container with spray water from a safe distance. Prevent fire-fighting water from entering surface water or groundwater.

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## **6. ACCIDENTAL RELEASE MEASURES**

Person related precautionary measures : Do not inhale vapours/aerosols.

Procedures for cleaning/absorption : Take up with liquid- absorbent

material (e.g.Chemisorb). Forward for disposal. Clean up affected area.

Environmental-protection measures :

Do not allow to enter sewerage system.

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## **7. HANDLING AND STORAGE**

Handling : Take measures to prevent electrostatic charging.

Storage : Tightly closed. In a well-ventilated place.

Keep away from sources of ignition and heat. At +15° C to +25° C.

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## **8. EXPOSURE CONTROLS/ PERSONAL PROTECTION**

Respiratory protection : Required when vapours/aerosols are generated.

Eye protection : Required

Hand protection : Required





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Further information : Highly inflammable.  
Unsuitable working materials : various plastics.

Explosible with air in a vaporous/gaseous state.

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## 11. TOXICOLOGICAL INFORMATION

Quantitative data on the toxicity of this product are not available.

Further toxicological information :

After skin contact : Irritations. Degreasing effect on the skin, possibly followed by secondary inflammation.

After eye contact : Irritations.

After absorption of large quantities : narcosis.

Exact data on the toxicity of this substance are not available.

It generally applies for aliphatic hydrocarbons with 6-18 carbon atoms that they may cause pneumonia, in some cases also pulmonary oedema, upon direct inhalation. i.e. in conditions that can occur only on very special circumstances (nebulizations, spraying, inhalation of aerosols and similar).

After absorption of very large quantities : narcosis.

Further hazardous properties cannot be excluded with certainty.

The product should be handled with the care usual when dealing with chemicals. However, when handled properly, hazardous effects are unlikely to occur.

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## 12. ECOLOGICAL INFORMATION : Ecotoxic effects : Biological effects : Toxic for tic organisms.

Risk of formation of explosive vapours above water surface.

Endangerous drinking water supplies if allowed to enter soil and/or waters in large quantities.

Further ecologic data : Do not allow to enter waters, waste water, or soil !

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**13. DISPOSAL METHOD** : Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like house-hold waste or recycled.

There are no uniform EC Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. Approved waste disposal companies which will advise you on how to dispose of special waste.

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### 14. TRANSPORT INFORMATION

Transport over land

ADR/RID & GGVS/GGVE : GGVS/GGVE class : 3      Number and letter : 3b  
ADR/RID class : 3      Number and letter : 3b  
Name of material : OCTANE

Sea Transport IMDG : IMDG class : 3.2    UN No. : 1262    Packing group : II  
Ems : 3-07      MFAG : 310  
Correct Technical Name : OCTANES

Air Transport ICAO-TI  
and IATA-DGR : ICAO/IATA class : 3      UN No. : 1262  
Packaging group : II  
Correct Technical Name : OCTANES

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### 15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : F Highly flammable

R-phrases : 11 Highly flammable.

S-phrases : 9-16-29-33 Keep container in a well-ventilated place.  
Keep away from sources of ignitions - No smoking. Do not empty into drains. Take precautionary measures against static discharges.

EC-No. : 208-759-1 EC label

Water pollution class : 1 (slightly polluting substance)

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### 16. OTHER INFORMATION

Reason for alteration :

General update.

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

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