



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : A 11879
Product Name : Isoamyl alcohol

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 Telefax No. : 0484 2802483

2. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms : iso-Pentyl alcohol; 3-Methyl –1-butanol;
CAS-No : 107-21-1
Molar Mass : 62.07
Molecular Formula : C₅H₁₂O
EC-Index No : 603-006-00-7

3. HAZARDS IDENTIFICATION : Flammable. Harmful by inhalation.

4. FIRST AID MEASURES

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

After skin contact: wash off with plenty of water .Remove contaminated clothing

After eye contact: rinse out with plenty of water if pain persists consult an eye specialist

After swallowing: Induce vomiting. Drink strong coffee if necessary. No animal charcoal. No milk. Summon doctor. Gastric lavage.



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5. FIRE – FIGHTING MEASURES

Suitable extinguishing media: powder ,foam, water,CO₂

Special risks: Combustible. Vapours heavier than air. Formation of explosible mixtures possible with air.

Keep away from sources of ignition. Development of hazardous combustion gases or vapours possible in the event of fire.

Other information: Take measures to prevent electrostatic charging.

6. ACCIDENTAL RELEASE MEASURES

Procedures for cleaning / absorption:

Take up with liquid absorbent material (Eg chemizorb). Forward for disposal. Clean up affected area

Environmental protection: Do not allow to enter sewage system. Risk of explosion.

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

7. HANDLING AND STORAGE

Handling: No further requirements

Storage: Tightly closed. In a well ventilated place , Keep away from sources of ignition and heat.

At +15⁰C to +25 ⁰C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection: required when vapours / Aerosols are generated.

Eye protection: required

Hand protection: required



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Industrial hygiene: Change contaminated clothing. Application of skin protective barrier cream recommended. Wash hands after working with substance. Under no circumstances eat or drink at work place.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : liquid
Colour : colourless
Odour : characteristic
Melting temperature : -117°C
Boiling temperature : 131°C
PHvalue
At 25g/l H₂O (20⁰C) : neutral
Ignition temperature : 340°C
Flash point : 42°C
Explosion limits lower: 1.2 vol%
Upper : 8 vol%
Relative vapour density: Not available
Density (20⁰C) : 0.81 g/cm^3
Solubility in
water (20⁰C) : 28 g/l

10. STABILITY AND REACTIVITY

Conditions to be avoided: Heating

Substance to be avoided: oxidising agent, alkali metals, alkaline earth metals..

Hazardous decomposition products: no information available.

Further information: highly inflammable; incompatible with various plastics and rubber. Explosible with air in a vaporous/ gaseous state.



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11. TOXICOLOGICAL INFORMATION

Acute Toxicity

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

Subacute to chronic toxicity:

An embryotoxic effect need not be feared when the threshold limit value is observed.

Further toxicological information:

Property that must be anticipated on the basis of the components of the preparations: very low acute toxicity in animal experiments.

After inhalation of vapours: Irritation symptom in the respiratory tract.

After eye contact: irritant effect.

After skin contact: slight irritations. Absorption via the skin.

After absorption of toxic quantities: CNS disorders (dizziness, head ache, inebriation), ataxia, (impaired locomotor coordination)

Further data: The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION

Biologic degradation:

Biologic degradability: good.

Behaviour in environmental compartments:

Risk of formation of explosive vapours above water surface.

Ecotoxic effects: Biological effects:

Toxic for aquatic organisms.

Fish toxicity: *lidus* LC₅₀: 479 mg/l;

Algal toxicity: *Sc. quadricauda* EC₀: 280 mg/l;

Daphnia toxicity: *Daphnia* EC₀: 440 mg/l;



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

13. DISPOSAL METHOD

Product : There are no uniform EC regulations for The disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations . We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste .
Packaging : Disposal in compliance with official Regulations.
Handle contaminated packaging as In the same way as the substance itself . If not officially specified differently , non – contaminated packaging may be treated like household waste or recycled.

14. TRANSPORT INFORMATION

Transport over land

ADR/RID and GGVS/GGVE : GGVS/GGVE class: 3 Number and letter:31c

ADR/RID class : 3 Number and letter:31c

Name of material : PENTANOLS

River transport AND/ADNR: Not examined

Sea transport IMDG : IMDG class:3.3 UN –No.:1105Packaging group: III

Ems : 3-06 MFAG: 305

Correct technical name: PENTANOLS

Air transport

ICAO-TI and IATA-DGR: ICAO/IATA class: 3 UN/ID-No.: 1105 Packaging group: III

Correct technical name: PENTANOLS



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15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol : Xn Harmful
R- Phrases : 10-20 Flammable. Harmful by inhalation.
S-phrases : 24/25 Avoid contact with skin and eyes.
Water pollution class : 1 (slightly polluting substance)

16. OTHER INFORMATION

Reason for alteration

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.
