



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : P 10229
Product Name : PETROLEIUM ETHER 40 – 60° C

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : n-Caproylhydride; n-Hexylhydride; Hexane

CAS-No : 110-54-3 Ec-Index No. : 601-037-00-0
Molar Mass : 86.18 EC-No. : 203-777-6
Molecular Formula : C₆H₁₄

3. HAZARDS INDEX

Highly flammable. Harmful: danger of serious damage to health by prolonged exposure through inhalation.

4. FIRST AID MEASURES

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

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 swallowing : Avoid vomiting. Risk of aspiration! Subsequently administer; Activated charcoal (20-40 g in 10% slurry). No milk. No castor oil. No alcohol. No gastric lavage. Summon doctor.

5. FIRE-FIGHTING

Suitable extinguishing media : Foam, powder
Fire extinguisher : Powder, Carbon Dioxide
Special risks: Combustible. Vapours heavier than air. Formation of explosible mixtures possible with air. Keep away from sources of ignition.

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

Other information : Take measures to prevent electrostatic charging.

6. ACCIDENTAL RELEASE MEASURES

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



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supply of fresh air in enclosed rooms.

Procedures for cleaning/absorption : Take up with liquid-absorbent material (e.g. Chemizorb). Forward for disposal. Clean up affected area.

Environmental-protection measures :

Do not allow to enter sewerage system; risk of explosion!

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.

Storage temperature : No restrictions.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Specific control parameter : (max. workplace conc.)

Hexane : 50 ml/m³ or 180 ml/m³ , Skin resorption

Personal protective equipment :

Respiratory protection : Required when vapours/ aerosols are generated.

Eye Protection : Required

Hand Protection : Required

Protective clothing should be selected specifically for the working place, depending on concentration & quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Industrial hygiene : Change contaminated clothing. Application skin-protective barrier cream recommended. Wash hands and face after working with substance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Liquid
Colour	:	Colourless
Odour	:	Characteristic
pH value	:	Not available
Viscosity dynamic (20° C)	:	0.31 mPa s
Melting temperature	:	-94° C
Boiling temperature	:	40° C
Ignition temperature	:	240° C
Flash Point	:	-22° C
Explosion limit lower	:	1.1 Vol %
upper	:	7.4 Vol %
Vapour pressure (20° C)	:	160 hPa
Relative vapour density	:	Not available
Density (20° C)	:	0.66 g/cm ³
Solubility in Water (20° C)	:	Almost insoluble



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Ethanol (20° C) : Soluble
Chloroform (20° C) : - Soluble

10. STABILITY AND REACTIVITY

Conditions to be avoided : Heating.
Substances to be avoided : Strong oxidizing agents,
Hazardous decomposition products : No information available.
Further information : highly inflammable; solvent
Unsuitable working materials : various plastic, rubber

Explosible with air in a vaporous/gaseous state.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity : LD₅₀ (oral, rat) : 28710 mg/Kg ;
LC₅₀ (inhalation, rat) : 48000 ppm(V)/4 h ;

Sub acute to chronic toxicity : An embryotoxic effect need not be feared when the threshold limit value is observed.

Further toxicological information :
After inhalation : Irritation symptoms in the respiratory tract.

After skin contact : Danger of skin absorption.
After eye contact : Irritations. Risk of corneal clouding.
After swallowing : Nausea
After absorption : drowsiness, tiredness, narcosis.
After long-term exposure to the chemical : CNS disorders, paralysis symptoms.
Further data :
The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION

Ecotoxic effects : Non miscible with water.
Substance floats on the water surface.
Risk of formation of explosive vapours above water surface.
Biological effects : Toxic for aquatic organisms.
Aquatic organisms LC₅₀ : >1000 mg/l/96.
Fish toxicity : L.idus LC₅₀ : 150 -210 mg/l.
Further ecologic data : BOD₅ : 2.21 g/g ;
COD : 0.04 g/g ; ThOD : 3.52 g/g;
Do not allow to enter waters, waste water, or soil !

13. DISPOSAL METHOD

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 & regulations. We recommend that you contact either the authorities in charge/approved waste



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disposal companies which will advise you on how to dispose of special waste.

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 household waste or recycled.

14. TRANSPORT INFORMATION

GGVS/GGVE class : 3 Number and letter : 3b
Transport over land ADR/RID class : 3 Number and letter : 3b
ADR/RID & GGVS/GGVE : Name of material : 1208 PETROLEIUM ETHER

Sea Transport IMDG : IMDG class : 3.1 UN No. : 1208 Packing group : II
Ems : 3-07 MFAG : 310
Correct Technical Name : PETROLEIUM ETHER

Air Transport
ICAO-TI & IATA-DGR : ICAO/IATA class : 3 UN No. : 1208
Packaging group II
Correct Technical Name : PETROLEIUM ETHER

15. REGULATORY INFORMATION

Labeling according to EC Directives

Symbol : F Highly flammable.

R-phrases : 11-48/20 Highly flammable. Harmful : Danger of serious damage to health by prolonged exposure through inhalation.

S-phrases : 9-16-24/25-29-51 Keep container in a well-ventilated place. Keep away from sources of ignition-No smoking. Avoid contact with skin and eyes. Do not empty into drains. use only in well-ventilated areas.

EC-No. : 203-777-6 EC label
Water pollution class : 1 (slightly polluting substance)

16. OTHER INFORMATION

Reason for alteration
Change in product name.

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.