

# 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. Product Name	:	P 10329 PETROLEIUM ETHER 60 – 80° C
Manufacturer/supplier identi Company	fication :	NICE Chemicals (P) Ltd., Cochin, India Tel - 0484 2800212, 2802755
Contact for information Emergency Telephone No.	:	Tel. No 0484 2802536 Fax : 0484 2802483 0484 2801583 Tele fax No. : 0484 2802483

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : n-Caproylhydride; n-Hexylhydride; Hexane

### **3. HAZARDS INDEX**

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

#### 4. FIRST AID

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 MEASURES

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 supply of fresh air in enclosed rooms.



Catalogue No.: P 10329Product Name: PETROLEIUM ETHER 60 - 80° C

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

Speific control parameter : (max. workplace conc.) Hexane : 50 ml/m<sup>3</sup> or 180 ml/m<sup>3</sup>, 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	:	60 ° 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 $(20^{\circ} \text{ C})$	:	$0.66 \text{ g/cm}^3$
Solubility in Water (20° C)	:	Almost insoluble
Ethanol (20°C)	:	Soluble



Catalogue No.: P 10329Product Name: PETROLEIUM ETHER 60 - 80° C

Chloroform  $(20^{\circ} \text{ C})$  : - 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 :  $LD_{50}$  (oral, rat) : 28710 mg/Kg :  $LC_{50}$  (inhalation, rat) : 48000 ppm(V)/4 h;

Sub acute to chronic toxicity : An embroyotoxic 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  $LC_{50}$  : >1000 mg/lt/96. Fish toxicity : L.idus  $LC_{50}$  : 150 -210 mg/lt. Further ecologic data : BOD<sub>5</sub> : 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



Catalogue No.: P 10329Product Name: PETROLEIUM ETHER 60 - 80° C

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 Transport over land ADR/RID & GGVS/GGVE :	Number and letter : 3b ADR/RID class : 3 Number and letter : 3b 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.
FC-No	203-777-6 FC la	hel

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.