



## **SAFETY DATA SHEET**

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

Catalogue No. : B 11679

Product Name : Benzyl 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

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### **2. COMPOSITION / INFORMATION ON INGREDIENTS**

Synonyms : phenylcarbinol

CAS-No : 100-51-6

Ec-Index No. : 603-057-00-5

Molar Mass : 108.14

EC-No. : 202-859-9

Molecular Formula :  $C_7H_8O$

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**3. HAZARDS IDENTIFICATION :** Harmful by inhalation and if swallowed.

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### **4. FIRST AID MEASURES**

After inhalation: fresh air.

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

After eye contact: rinse out with plenty of water With eyelids held open. Summon eye specialist.

After swallowing: Avoid vomiting. Risk of aspiration. Make victim drink plenty of water.

Summon doctor.

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### **5. FIRE – FIGHTING MEASURES**

Suitable extinguishing media: powder foam,

Special risks: Combustible. Vapours heavier than

Air. Development of hazardous combustion gases or vapours possible in the event of fire. Formation of explosible mixtures possible with air.

Special protective equipment for fire fighting:

Do not stay in dangerous zone without suitable

Chemical protection clothing and self-contained breathing apparatus

Other information: Keep away from sources of ignition. Cool container with spray water from safe distance.

Other Information:

Prevent fire – fighting water from entering surface water or ground water.

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### **6. ACCIDENTAL RELEASE MEASURES**

Do not inhale vapours / aerosols . Avoid Substance contact.

Procedures for cleaning / absorption:

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

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### **7. HANDLING AND STORAGE**

Handling: No further requirements

Storage: Tightly closed. At +15<sup>0</sup>C to +25<sup>0</sup>C.

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

Personal protective equipment

Respiratory protection: required when vapours / Aerosols are generated.

Filter A (acc. to DIN 3181) for vapours of organic compounds.

Eye protection: required

Hand protection: required

Protective clothing should be selected for the Working place depending on concentration and Quantity of the hazardous substance handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

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.

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### **9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	:	liquid
Colour	:	colourless
Odour	:	characteristic
Melting temperature:		-15.3 °C
Boiling temperature :		205 °C
PHvalue	:	Not available
Ignition temperature:		436 °C
Flash point	:	101 °C
Explosion limits lower	:	1.3 ppm (V)
Upper :		13 Vol%
Relative vapour density	:	Not available
Density (20 <sup>0</sup> C )	:	1.05 g/cm <sup>3</sup>
Solubility in water ( 20 <sup>0</sup> C )	:	40 g/l

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### **10. STABILITY AND REACTIVITY**

Conditions to be avoided: strong heating.

Substance to be avoided: oxidising agents, non-metallic  
halides, conc. sulphuric acid, polymerisation initiators

Hazardous decomposition products: no information  
available

Further information: unsuitable working materials: various  
plastics. Explosible with air in a vaporous/ gaseous state.

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### **11. TOXICOLOGICAL INFORMATION**

Acute Toxicity

LD<sub>50</sub>(oral, rat):1230 mg/kg

LD<sub>50</sub> (oral, human) : 500mg/Kg

Further toxicological information:

After inhalation: mucosal irritations

After eye contact: irritant effect

After swallowing: we have no description of any toxic  
symptoms

After absorption: CNS disorders.

Chronic intoxication: danger of heart.

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

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## **12. ECOLOGICAL INFORMATION**

Biological degradation : Readily degradable in water

Behaviour in environmental compartments:

Distribution: log P(oct): 1:10;

Evaluation number (FRG) (fish) :3.2 ;Evaluation number (FRG) (mammal):3; Evaluation number (FRG) (bacteria):<4.0

Ecotoxic effects : Toxic to aquatic organisms. LC<sub>50</sub> : 10-100 mg/l/96h  
Fish toxicity: *Lidus* LC<sub>50</sub> : 646 mg/l/96h; *C auratus* LC<sub>50</sub> :34mg/l/96h;Algeal toxicity: *Sc:quadricauda* EC<sub>50</sub>640 mg/l  
Daphnia toxicity: *Daphnia magna* EC<sub>50</sub> : 55 mg/l  
Bacterial toxicity: *paputida* EC<sub>50</sub>: 658 mg/l  
*P promelas* LC<sub>50</sub> : 460 mg/l  
Further ecologic data:  
BOD 62% of ThOD /5d;  
COD:96% of Thod;  
ThOD :2.519 g/g  
Do not allow to enter waters, waste water, or soil.

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## **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 .



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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.

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**14. TRANSPORT INFORMATION** : Not subject to transport regulations

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**15. REGULATORY INFORMATION**

Labelling according to EC Directives

Symbol : Xn Harmful  
T Toxic

R- Phrases : 20/22 Harmful by inhalation and if swallowed.

S-phrases : 20 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice immediately.

Water pollution class : 1 (slightly polluting substance)

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**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.

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