



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : B 12329
Product Name : BENZOPHENONE

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 : Diphenyl Ketone
CAS-No : 119-61-9
Ec-Index No. :
Molar Mass : 182.22
EC-No. : 204-337-6
Molecular formula : $C_{13}H_{10}O$

3. HAZARDS INDEX

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



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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 the eyelid held wide open.

After swallowing : Make victim drink plenty of water, induce vomiting, summon doctor if feeling unwell.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Water, foam, CO₂, powder.

Special risks : Combustible. Development of hazardous combustion gases
or vapours possible in the event of fire.

The following may develop in event of fire : nitrogen oxides.

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

Other information : Prevent fire-fighting water from entering surface water or
ground water.

6. ACCIDENTAL RELEASE MEASURES

Person - related precautionary measures : Avoid generation of dusts;
do not inhale dusts.

Ensure supply of fresh air in enclosed rooms.

Environmental-protection measures : Do not allow to enter sewerage
system.



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Procedures for cleaning/absorption : Take up dry. Forward for disposal.

Clean up affected area. Avoid generation of dusts.

7. HANDLING AND STORAGE

Handling - No further requirements.

Storage - At +15 C to +25 C. Dry. No further requirement.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory protection : required when dusts are generated.

Eye Protection : required

Hand Protection : required

Protective clothing should be selected specifically for the working place, depending on concentration and 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 of skin-protective barrier cream recommended. Wash hands and face after working with substance.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: crystals
Colour	: colourless
Odour	: characteristic
pH value	: Not available
Viscosity dynamic (20° C)	: 1.8 mPa s
Melting temperature	: 19 - 20° C
Boiling temperature	: 200 - 204 ° C
Ignition temperature	: 580 ° C
Flash Point	: 82 ° C
Explosion limit lower	: 1.4 Vol %
upper	: 5.2 Vol %
Vapour pressure (25° C)	: 0.6 hPa
Relative vapour density	: 4.14
Density (20° C)	: 1.03 g/cm ³
Solubility in Water (20° C)	: 5.5 gm/lt.
Organic solvents (20° C)	: Soluble
Log P(oct)	: 1.58

10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available.

Substances to be avoided : No information available.

Hazardous decomposition products : No information available.



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11. TOXICOLOGICAL INFORMATION

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

Further toxicological information :

Hazardous properties cannot be excluded.

Further data :

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

12. ECOLOGICAL INFORMATION

Behavior in environmental compartments : log P(oct) : 3.18

Biologic degradation : Biologically nondegradable.

Ecotoxic effects : Highly toxic for aquatic organisms.

May cause long-term adverse effects in the aquatic environment.

Fish toxicity : P.promelas LC₅₀ : 15.3 mg/lt./96 h.

Daphnia toxicity : Daphnia magna EC₅₀ : 0.27 mg/lt./24 h.

Further ecologic data : 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 disposal companies which will advise you on how to dispose of special waste.



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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 : Not subject to transport regulations.

15. REGULATORY INFORMATION

Labelling according to EC Directive

Symbol : N Dangerous for the environment.

R-phrases : 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases : 61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

Water pollution class : 1 (slightly polluting substance)
(own classification)

16. OTHER INFORMATION

Reason for alteration

Change in the chapter on ecology.

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.
