



Section 1 - Chemical Product and Company Identification

Product Name Benzophenone extrapure, 99%
Product Code 51448
CAS No 119-61-9
Use for Laboratory Chemicals.
Company Name Sisco Research Laboratories Pvt. Ltd.
Address 608, B Wing, Satellite Gazebo, Andheri Ghatkopar Link Road,
Andheri (E), Mumbai - 400 099, India

Section 2 - Composition/Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
119-61-9	Benzophenone	<=100	204-337-6

Section 3 - Hazards Identification

Risk advice to man and the environment

Irritating to eyes, respiratory system and skin. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Section 4 - First Aid Measures

Eyes: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin: Wash off with soap and plenty of water. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Inhalation: If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

Notes to Physician: Consult a physician. Show this safety data sheet to the doctor in attendance.

Section 5 - Fire Fighting Measures

Suitable extinguishing

Media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective

equipment for fire-fighters: Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 - Accidental Release Measures



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Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.

Environmental precautions: Do not let product enter drains. Discharge into the environment must be avoided.

Methods for cleaning up: Pick up and arrange disposal without creating dust.
Keep in suitable, closed containers for disposal.

Section 7 - Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Section 8 - Exposure Control / Personal Protection

Personal protective equipment

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection: The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Handle with gloves.

Eye protection: Safety glasses

Skin and body protection: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 - Physical and Chemical Properties

Physical State: Liquid

Molecular Formula: C₃H₈O

Molecular Weight: 60.10

Melting point: 47 - 51 °C (117 - 124 °F) - lit.

Boiling Point: 305 °C (581 °F) - lit.

Flash Point: 138 °C (280 °F) - closed cup

Section 10 - Stability and Reactivity



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Storage stability: Stable under recommended storage conditions.

Hazardous decomposition

Products: Hazardous decomposition products formed under fire conditions. -
Carbon oxides

Section 11 - Toxicological Information

Acute toxicity: LD50 Oral - rat - > 10.000 mg/kg
LD50 Dermal - rabbit - 3.535 mg/kg

Irritation and corrosion: No data available

Sensitisation: No data available

Chronic exposure: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Signs and Symptoms

of Exposure: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Potential Health Effects

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Skin: May be harmful if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.

Ingestion: May be harmful if swallowed.

Additional Information: RTECS: DI9950000

Section 12 - Ecological Information

Elimination information

(persistence and degradability): No data available

Ecotoxicity effects: Toxicity to fish
mortality NOEC - Pimephales promelas (fathead minnow) - 5,86 mg/l - 7 d
mortality LOEC - Pimephales promelas (fathead minnow) - 9,24 mg/l - 7 d
LC50 - Pimephales promelas (fathead minnow) - 14,2 mg/l - 96 h
Toxicity to daphnia and other aquatic invertebrates.
EC50 - Daphnia magna (Water flea) - 0,28 mg/l - 24 h

Further information

on ecology: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Section 13 - Disposal Considerations



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Product: licensed professional waste disposal Observe all federal, state, and local environmental regulations. Contact a

service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging: Dispose of as unused product.

Section 14 - Transport Information

	IATA	IMO	RID/ADR
Shipping Name:	Environmentally hazardous substance, solid, n.o.s. (Benzophenone)		
Hazard Class:	9	9	9
UN Number:	3077	3077	3077
Packing Group:	III	III	III

Section 15 - Regulatory Information

Labelling according to EC Directives

Hazard symbols: Xi Irritant

R-phrases(s): R36/37/38 Irritating to eyes, respiratory system and skin. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases(s): S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S61 Avoid release to the environment. Refer to special instructions/ Safety data sheets.

Section 16 - Other Information

Sisco Research Laboratories Pvt. Ltd. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.