Material Safety Data Sheet

BENZOPHENONE (RXSOL-60-6604-049)

1. Product and Company Identifaction

Product Name	RXSOL-60-6604-049
Product Type	BENZOPHENONE
Revised date	

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat Barka

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2. Composition / informationon ingredients

2.1 Substances : Benzophenone
CAS-No. : 119-61-9

Substance name	Contents	CAS No
Benzophenone	100 %	119-61-9

Substance.
Contains no other components or impurities which will influence the classification of the product.

3. Hazards Identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
Carcinogenicity (Category 2), H351
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410
For the full text of the H-Statements mentioned in this Section, see Section 16. 2.2 Label elements
Labelling according Regulation (EC) No 1272/2008
Symbol(s) : N : Dangerous for the environment
R Phrase(s) : R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S Phrase(s) : S61: Avoid release to the environment . refer to special instruction/safety data sheets.
Labelling according Regulation (EC) No 1272/2008
Hazard pictograms



Signal word : Warning
Hazard statement(s)
H351 Suspected of causing cancer.
H410 Very toxic to aquatic life with long lasting effects.
Precautionary statement(s)
P273 Avoid release to the environment.
P281 Use personal protective equipment as required.

P501 Dispose of contents/ container to an approved waste disposal plant.
Supplemental Hazard
Statements none
2.3 Other hazards
This substance/mixture contains no components considered to be either persistent,
bioaccumulative and toxic (PBT), or very persistent and very
bioaccumulative (vPvB) at levels of 0.1% or higher.

4. First Aid Measures

4.1 Description of first aid measures
General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Consult a physician.
In case of skin contact
Wash off with soap and plenty of water. Consult a physician.
In case of eye contact
Flush eyes with water as a precaution.
If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
4.2 Most important symptoms and effects, both acute and delayed
The most important known symptoms and effects are described
in the labelling (see section 2.2) and/or in section
11 4.3 Indication of any immediate medical attention and special treatment needed
No data available

5. Fire-fighting Measures

5.1 Extinguishing media
Suitable extinguishing media Use water spray, alcohol-resistant
foam, dry chemical or carbon dioxide.
5.2 Special hazards arising from the substance or mixture
Carbon oxides
5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary.
5.4 Further information
No data available

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours,
mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
For personal protection see section 8.
6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Discharge into the environment must be avoided.
6.3 Methods and materials for containment and cleaning up
Pick up and arrange disposal without creating dust. Sweep up and shovel.
Keep in suitable, closed containers for disposal.
6.4 Reference to other sections
For disposal see section 13.

7. Handling and Storage

7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see section 2.2.
7.2 Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place.
Storage class (TRGS 510): Non Combustible Solids
7.3 Specific end use(s)
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure controls and personal protection

8.1 Control parameters
8.2 Exposure controls
Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal protective equipment
Eye/face protection
Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves.
This recommendation is advisory only and must be evaluated by an industria situation of anticipated use by our customers.
It should not be construed as offering an approval for any specific use scenario.
Body Protection
Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use (EN 143) respirator cartridges as a backup to engineering controls. If th full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of environmental exposure
Prevent further leakage or spillage if safe to do so.
Do not let product enter drains. Discharge into the environment must be avoided.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties
Odour Threshold: No data available
pH: No data available
Melting point/range: 47 - 51 °C
Initial boiling point and boiling range :305 °C
Flash point 138 °C - closed cup
Evaporation rate : No data available
Flammability (solid, gas): No data available
Upper/lower flammability or explosive limits : No data available
Vapour pressure 1 mmHg at 108 °C
Vapour density: No data available
Relative density: No data available
Water solubility No data available
Partition coefficient: noctanol/ water
log Pow: 3.18
Auto-ignition temperature :No data available
Decomposition temperature : No data available
Viscosity : No data available
Explosive properties: No data available
Oxidizing properties: No data available
9.2 Other safety information
No data available

10. Stability and reactivity

10.1 Reactivity
No data available
10.2 Chemical stability
Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions
No data available
10.4 Conditions to avoid
No data available
10.5 Incompatible materials

Strong oxidizing agents, Strong reducing agents
10.6 Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides
Other decomposition products - No data available In the event of fire: see section 5

11. Toxicological information

11.1 Information on toxicological effects Acute toxicity
LD50 Oral - Rat - > 10,000 mg/kg(Benzophenone)
LD50 Dermal - Rabbit - 3,535 mg/kg(Benzophenone)
Skin corrosion/irritation
No data available (Benzophenone)
Serious eye damage/eye irritation
No data available(Benzophenone)
Respiratory or skin sensitisation
No data available(Benzophenone)
Germ cell mutagenicity
No data available(Benzophenone)
Carcinogenicity
Suspected human carcinogens(Benzophenone)
IARC: 2B - Group 2B: Possibly carcinogenic to humans (Benzophenone)
Reproductive toxicity
No data available(Benzophenone)
Specific target organ toxicity - single exposure
No data available(Benzophenone)
Specific target organ toxicity - repeated exposure
No data available
Aspiration hazard
No data available(Benzophenone)
Additional Information
RTECS: DI9950000
To the best of our knowledge, the chemical, physical, and toxicological
properties have not been thoroughly investigated.(Benzophenone)

12. Ecological information

12.1 Toxicity
Toxicity to fish mortality NOEC - Pimephales promelas (fathead minnow) - 5.86 mg/l - 7.0 d(Benzophenone)
mortality LOEC - Pimephales promelas (fathead minnow) - 9.24 mg/l - 7.0 d(Benzophenone)
LC50 - Pimephales promelas (fathead minnow) - 14.2 mg/l - 96.0 h(Benzophenone)
Toxicity to daphnia and other aquatic invertebrates
EC50 - Daphnia magna (Water flea) - 0.28 mg/l - 24 h(Benzophenone)
12.2 Persistence and degradability
Biodegradability Result: 0 % - According to the results of tests of biodegradability
this product is not readily biodegradable.
12.3 Bioaccumulative potential
No data available
12.4 Mobility in soil
No data available(Benzophenone)
12.5 Results of PBT and vPvB assessment
This substance/mixture contains no components considered to be either persistent,
bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative
(vPvB) at levels of 0.1% or higher.
12.6 Other adverse effects
Very toxic to aquatic life with long lasting effects.

13. Disposal considerations

13.1 Waste treatment methods
Product
Offer surplus and non-recyclable solutions to a licensed disposal company.
Dissolve or mix the material with a combustible solvent and burn in a chem scrubber.
Contaminated packaging
Dispose of as unused product.

14. Transport information

14.1 UN number

ADR/RID: 3077 IMDG: 3077 IATA: 3077
14.2 UN proper shipping name
ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Benzophenone) IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Benzophenone) IATA: Environmentally hazardous substance, solid, n.o.s. (Benzophenone)
14.3 Transport hazard class(es)
ADR/RID: 9 IMDG: 9 IATA: 9
14.4 Packaging group
ADR/RID: III IMDG: III IATA: III
14.5 Environmental hazards
ADR/RID: yes IMDG Marine pollutant: no IATA: yes
14.6 Special precautions for user
Further information
EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
15.2 Chemical safety assessment
For this product a chemical safety assessment was not carried out

16. Other information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.
vPvB: very persistent and very bioaccumulative
Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
Further information : None.
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