

1. Product and Company Identification

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

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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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

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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

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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

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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

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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

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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

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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

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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

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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

12. Ecological information

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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

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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

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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

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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

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.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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