Material Safety Data Sheet

P BENZOQUINONE FOR SYNTHESIS (RXSOL-60-6605-190)

1. Product and Company Identifaction

Product Name	RXSOL-60-6605-190
Product Type	p-BENZOQUINONE FOR SYNTHESIS
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

Phone	+91 22 27815541 / 42
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2. Composition / informationon ingredients

Substance / Preparation : p-Benzoquinone
CAS No : 106-51-4
Substance.
Contains no other components or impurities which will influence the classification of the product.

3. Hazards Identification

3.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
Acute toxicity,Inhalation (Category 3), H331
Acute toxicity, Oral (Category 3), H301
Eye irritation (Category 2), H319
Specific target organ toxicity - single exposure (Category 3), H335
Skin irritation (Category 2), H315
Acute aquatic toxicity (Category 1), H400
Classification according to EU Directives 67/548/EEC or 1999/45/EC
T Toxic R23/25
Xi Irritant R36/37/38
N Dangerous for the environment R50
3.2. Label elements
Labelling according Regulation (EC) No 1272/2008
Hazard pictograms

Signal word :Danger
Hazard statement(s)
H301 Toxic if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life
. Precautionary statement(s)
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P273 Avoid release to the environment.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P311 Call a POISON CENTER or doctor/ physician. Supplemental Hazard Statements n
3.3 Other hazards
None

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. Take victim immediately to hospital. Consult a physician.
In case of eye contact : Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
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)
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 fire fighting if necessary.
5.4 Further information
No data available

6. Accidental Release Measures

6.1 Personal precautions Protective equipment and emergency procedures
Wear respiratory protection. 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.Normal measures for preventive fire protection. 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. Light sensitive. Exposure to moisture.
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
Components with workplace control parameters

8.2 Exposure controls
Appropriate engineering controls
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.
Personal protective equipment
Eye/face protection : Face shield and safety glasses 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.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties
Odour : no data available
Odour Threshold : no data available
pH: no data available
Melting point/freezing point Melting point/range: 113 - 115 °C - lit.
Initial boiling point and boiling range : no data available
Flash point : no data available
Evapouration rate : no data available
Flammability (solid, gas) : no data available
Upper/lower flammability or explosive limits : no data available
Vapour pressure :0,1 hPa at 25 °C
Vapour density : 4,33
Relative density : no data available
Water solubility : no data available
Partition coefficient: noctanol/water : log Pow: 0,2
Auto-ignition temperature : no data available
Decomposition temperature: 243 °C –
Viscosity: no data available
Explosive properties : no data available
Oxidizing properties : no data available
9.2. Other information
Surface tension : 32,58 mN/m at 112 °C
Relative vapour density : 4,33

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
Reacts violently with:, Strong oxidizing agents
10.6 Hazardous decomposition products
Other decomposition products - no data available In the event of fire: see section

11. Toxicological information

11.1 Information on toxicological effect
11.1. Information on toxicological effects
Acute toxicity
• Inhalation : Based on available data, the classification criteria are not met.
• Dermal : Based on available data, the classification criteria are not met.
• Ingestion : Based on available data, the classification criteria are not met.
Corrosion : Based on available data, the classification criteria are not met.
Irritation : Causes serious eye irritation.
Repeated exposure may cause skin dryness or cracking.
Sensitization : Based on available data, the classification criteria are not met.
Mutagenicity : Based on available data, the classification criteria are not met.
Carcinogenicity : Based on available data, the classification criteria are not met.
Toxic for reproduction : Based on available data, the classification criteria are not met
. STOT-single exposure : - May cause respiratory irritation.

STOT-repeated exposure : Based on available data, the classification criteria are not met.
Aspiration hazard : Based on available data, the classification criteria are not met.

12. Ecological information

12.1 Toxicity
Toxicity information : Not established.
12.2 Persistence and degradability
No data available
12.3 Bioaccumulative potential
No data available
12.4 Mobility in soil
No data available
12.5 Results of PBT and vPvB assessment PBT/vPvB assessment
not available as chemical safety assessment not required/not conducted
12.6 Other adverse effects
Very toxic to aquatic life.

13. Disposal considerations

13.1 Waste treatment methods Product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal 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

14. Transport information

14.1 UN number
ADR/RID: 2587 IMDG: 2587 IATA: 2587
14.2 UN proper shipping name
ADR/RID: BENZOQUINONE
IMDG: BENZOQUINONE
IATA: Benzoquinone
14.3 Transport hazard class(es)
ADR/RID: 6.1 IMDG: 6.1 IATA: 6.1
14.4 Packaging group
ADR/RID: II IMDG: II IATA: II
14.5 Environmental hazards
ADR/RID: yes IMDG Marine pollutant: yes IATA: no
14.6 Special precautions for user
No data available

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Safety, health and environmental : Ensure all national/local regulations are observed.
regulations/legislation specific for the substance or mixture
REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.
REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.
15.2. Chemical Safety Assessment
Chemical Safety Assessment : It has not been 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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