

1. Product and Company Identification

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Product Name RXSOL-60-6604-732
Product Type IODINE MONOBROMIDE
Revised date

Company Details:

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

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2. Composition / Information on ingredients

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2.1 Substances Synonyms : Bromoiodine

Formula : BrI Molecular

Weight : 206,81 g/mol

CAS-No. : 7789-33-5

Hazardous ingredients according to Regulation (EC) No 1272/2008

Substance name Contents CAS No

Iodine bromide : 100 % 7789-33-5

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

3. Hazards Identification

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3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin corrosion (Category 1B), H314

For the full text of the H-Statements mentioned in this Section, see Section 16.

Classification according to EU Directives 67/548/EEC or 1999/45/EC C Corrosive R34

For the full text of the R-phrases mentioned in this Section, see Section 16.

3.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram Signal word Danger Hazard statement(s)

H314: Causes severe skin burns and eye damage. Precautionary

statement(s) P280 :Wear protective gloves/ protective clothing/ eye protection/ face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove P310 : Immediately call a POISON CENTER or doctor/ physician. Supplemental Hazard Statements none.

3.3 Other hazards ☐

none

4. First Aid Measures

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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

Take off contaminated clothing and shoes immediately. Wash off with

soap and plenty of water. 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 Do NOT induce vomiting. 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

Hydrogen bromide gas, Hydrogen iodide

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

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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 Do not let product enter drains.

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 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.

Recommended storage temperature: 2 - 8 °C Air, light, and moisture sensitive. Store under inert gas.

7.3 Specific end use(s) A part from the uses mentioned in

section 1.2 no other specific uses are stipulated

8.1 Control parameters

Components with workplace 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 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)

☒ Eye protection : Chemical goggles or safety glasses.

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. The selected protective gloves have to satisfy the

specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

☒ Full contact Material: Nitrile rubber Minimum layer

thickness: 0,11 mm Break through time: 480 min Material tested:Dermatril® Splash

contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break

through time: 480 min Material tested:Dermatril® data source: KCL GmbH,

D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de,

test method: EN374 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 industrial

hygienist and safety officer familiar with the specific situation of anticipated

use by our customers. It should not be construed as offering an approval for

any specific use scenario. Body Protection Complete suit protecting against

chemicals, 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 a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a 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 Do not let product enter drains.

9. Physical and chemical properties

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9.1 Information on basic physical and chemical properties

Appearance Form: solid

Odour: no data available

pH :no data available

Melting point/range: 42 - 50 °C -

lit. Initial boiling point and boiling range no data available

Flash point not applicable

Evaporation rate: no data available

Flammability (solid, gas): no data available

Upper/lower flammability or explosive

limits: no data available

Vapour pressure : no data available

Vapour density : no data available

Relative density : 4,416 g/cm³ at 25 °C Water

solubility: no data available

Partition coefficient: noctanol/

Water :no data available

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

Air Avoid moisture. Light.

10.5 Incompatible materials

Forms shock-sensitive mixtures with

certain other materials., Alcohols, Phosphorus,

Sodium/sodium oxides, Potassium

10.6 Hazardous decomposition products

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: no data available

Skin corrosion/irritation : no data available

Serious eye damage/eye

irritation:no data available

Respiratory or skin sensitization : no data available

Germ cell mutagenicity :no data available

Carcinogenicity 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.. Reproductive toxicity

Laboratory experiments have shown teratogenic effects.

Specific target organ toxicity - single exposure no data available

Specific target organ toxicity - repeated exposure no data available

Aspiration hazard no data available

Additional Information RTECS: Not available

Material is extremely destructive to tissue of the mucous
membranes and upper respiratory tract, eyes, and skin.,

Cough, Shortness of breath, Headache, Nausea

12. Ecological information

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12.1 Toxicity

no data available

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

no data available

13. Disposal considerations

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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

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14.1 UN number ADR/RID: 3260 IMDG: 3260 IATA: 3260

14.2 UN proper shipping name ADR/RID: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.

(Iodine bromide) IMDG: CORROSIVE SOLID, ACIDIC, INORGANIC, N.O.S.

(Iodine bromide) IATA: Corrosive solid, acidic, inorganic, n.o.s. (Iodine bromide)

14.3 Transport hazard class(es) ADR/RID: 8 IMDG: 8 IATA: 8

14.4 Packaging group ADR/RID: II IMDG: II IATA: II

14.5 Environmental hazards ADR/RID: no

IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

no data available

15. Regulatory information

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This safety datasheet complies with the requirements of Regulation

(EC) No. 1907/2006. 15.1 Safety, health and environmental regulations/legislation

specific for the substance or mixture no data available

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

16. Other information

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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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