

1. Product and Company Identification

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Product Name RXSOL-60-6605-675
Product Type TETRAPROPYL AMMONIUM BROMIDE LR
Revised date

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Substance / Preparation: TETRAPROPYL AMMONIUM BROMIDE EXTRA PURE

CAS No :1941-30-6

Substance.

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 EC 67/548 or EC 1999/45

Classification : Xi; R36/37/38 Hazard Class and Category Code(s), Regulation (EC) No 1272/2008

(CLP) Health hazards : Specific Target Organ Toxicity irritation Category 3-- S

Single exposure Warning (CLP : STOT SE 3) H335

Eye irritation Skin irritation Category 2A Category 2

3.2. Label elements

Labelling EC 6-- Warning (CLP : Eye Irrit. 2) H319

Warning (CLP : Skin Corr. 2) H315 7/548 or EC 1999/45

Symbol(s) : Xi : Irritant

R Phrase(s) Respiratory tract : R36/37/38 : Irritating to eyes, respiratory system and skin.

S Phrase(s) and seek : S26 : In case of

contact with eyes, rinse immediately with plenty of water medical advice.

S36 : Wear suitable protective clothing.

Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms

Signal words: Warning

Hazard statements: H319 : Causes serious eye irritation.

H315 : Causes skin irritation.

H335 : May cause respiratory irritation. Precautionary statements

☒ Prevention: P280: Wear protective gloves, protective clothing, eye protection, face protection.

P271: Use only outdoors or in a well-ventilated area.

P261: Avoid breathing dust, fume, gas, mist, vapours, spray.

P264: Wash thoroughly after handling.

☒ Response: P302+P352: IF ON SKIN : Wash with plenty of soap and water.

P332+P313: If skin irritation occurs : Get medical advice.

P305+P351+P338: IF IN EYES : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.

P363: Wash contaminated clothing before reuse

☒ Storage: P403+P233: Store in well-ventilated place.

Keep container tightly closed. P405: Store locked up.

☒ Disposal considerations: P501: Dispose of this material and its container to a hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

3.3. Other hazards

Other hazards: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

4. First Aid Measures

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4.1. Description of first aid measures

Inhalation: Call a POISON CENTER or doctor if you feel unwell.

Remove to fresh air and keep at rest in a position comfortable for breathing.

Skin contact: If skin irritation occurs : Get medical advice.

Specific treatment (see on this label). Wash contaminated clothing before reuse. Wash with plenty of soap and water.

Eye contact: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists : Get medical advice.

Ingestion: Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms relating to use: Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.

4.3. Indication of any immediate medical attention and special treatment needed

General information: Never give anything by mouth to an unconscious person

. If you feel unwell, seek medical advice (show the label where possible).

5. Fire-fighting Measures

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5.1. Extinguishing media

Suitable extinguishing media: Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media: Do not use a heavy water stream.

Surrounding fires: Use water spray or fog for cooling exposed containers.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Under fire conditions, hazardous fumes will be present.

5.3. Advice for fire-fighters

Protection against fire: Do not enter fire area without proper protective equipment, including respiratory protection.

Special procedures: Exercise caution when fighting any chemical fire.

Avoid (reject) fire-fighting water to enter environment.

6. Accidental Release Measures

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6.1. Personal precautions, protective equipment and emergency procedures

For emergency responders: Equip cleanup crew with proper protection. Ventilate area.

For non-emergency personnel: Evacuate unnecessary personnel.

6.2. Environmental precautions

Environmental precautions: Prevent entry to sewers and public waters.

Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Clean up methods: On land, sweep or shovel into suitable containers.

Minimize generation of dust. Store away from other materials.

6.4. Reference to other sections

See section 8. Exposure controls/personal protection

7. Handling and Storage

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7.1. Precautions for safe handling

Handling: Use only outdoors or in a well-ventilated area.

Wash thoroughly after handling. Wash thoroughly after handling.

Technical protective measures: Provide good ventilation in process area to prevent formation of vapour.

Special precautions: Avoid breathing dust, fume, gas, mist, vapours, spray.

7.2. Conditions for safe storage, including any incompatibilities

Storage: Keep only in the original container in a cool, well ventilated place.

Keep container tightly closed.

Storage-away from: Strong bases. Strong acids. Sources of ignition. Direct sunlight.

7.3. Specific end use(s)


Specific end use(s): None.

8. Exposure controls and personal protection

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8.1. Exposure controls

Personal protection: Avoid all unnecessary exposure.

 Respiratory protection: Wear approved mask.

 Hand protection: Wear protective gloves.

☞ Skin protection: Wear suitable protective clothing.

☞ Eye protection: Chemical goggles or safety glasses.

☞ Others: When using, do not eat, drink or smoke.

8.2. Control parameters

Occupational Exposure Limits: No data available.'

9. Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Physical state at 20 °C: Solid.

Odour threshold: No data available.

pH value: Not applicable.

Melting point [°C]: 270 °C

Decomposition point [°C]: N/A

Critical temperature [°C]: N/A

Auto-ignition temperature [°C]: N/A

Flammability (solid, gas): N/A

Flash point [°C]: N/A

Boiling point [°C]: N/A

Initial boiling point [°C]: N/A

Final boiling point [°C]: N/A

Evaporation rate: N/A

Vapour pressure [20°C]: N/A

Vapour pressure mm/Hg: N/A

Vapour density: N/A

Density [g/cm3]: N/A

Relative density, gas (air=1): N/A

Relative density, liquid (water=1): N/A

Solubility in water [% weight]: 1000 g/l @ 20°C

Solubility in water: N/A

Log Pow octanol / water at 20°C: No data available.

Solubility: N/A

Viscosity at 40°C [mm²/s]: N/A

9.2. Other information

Explosive properties: N/A

Explosion limits-upper [%]: N/A

Explosion limits-lower [%]: N/A

Oxidising properties: No data available.

10. Stability and reactivity

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10.1. Reactivity

Reactivity: Not established.

10.2. Chemical stability

Chemical stability: Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Not established.

10.4. Conditions to avoid

Conditions to avoid: Direct sunlight.

Extremely high or low temperatures.

10.5. Incompatible materials

Materials to avoid: Strong acids. Strong bases.

10.6. Hazardous decomposition products

Hazardous decomposition products: Fumes. Carbon monoxide. Carbon dioxide.

11. Toxicological information

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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.

Causes skin irritation. May cause respiratory irritation.

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: Based on available data, the classification criteria are not met.

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

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12.1. Toxicity

Toxicity information: Not established.

12.2. Persistence-degradability

Persistence-degradability: Biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Not established.

12.4. Mobility in soil

Mobility in soil: Not established.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment: The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

12.6. Other adverse effects

Environmental precautions: Avoid release to the environment.

13. Disposal considerations

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13.1. Waste treatment methods

General: Avoid release to the environment.

Dispose in a safe manner in accordance with local/national regulations.

14. Transport information

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14.1. Land transport (ADR-RID)

General information: Not regulated.

14.2. Sea transport (IMDG) [English only]

General information: Not regulated.

14.3. Air transport (ICAO-IATA) [English only]

General information: Not regulated.

15. Regulatory information

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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

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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

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

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