

1. Product and Company Identification

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Product Name Calcium Metal
Part Number RXSOL-60-6620-031

Company Details:....

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Substances

Formula Ca
Molecular weight 40.08 g/mol
CAS-No. 7440-70-2
EC-No. 231-179-5
Index-No. 020-001-00-X

No components need to be disclosed according to the applicable regulations.

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

3. Hazards Identification

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Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 Substances and mixtures, which in contact with water, emit flammable gases (Category 2), H261

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

Label elements

Signal Word Danger
Hazard Statements H261 In contact with water releases flammable gases.
Precautionary Statements P231 + P232 Handle under inert gas. Protect from moisture.
P422 Store contents under inert gas.

Supplemental Hazard Statements

Other hazards

None

This substance/mixture contains no components considered to be either persistent, bio accumulative and toxic (PBT), or very persistent and very bio accumulative (vPvB) at levels of 0.1% or higher.

4. First Aid Measures

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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.

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

Indication of any immediate medical attention and special treatment needed

No data available

5. Fire-fighting Measures

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Extinguishing media

Suitable extinguishing media

Dry powder

Special hazards arising from the substance or mixture

Calcium oxide

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No data available

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

For personal protection see section 8.

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Do not flush with water. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

7. Handling and Storage

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| Precautions for safe handling | Provide appropriate exhaust ventilation at places where dust is formed. Keep away from sources of ignition - No smoking. |
| Conditions for safe storage, including any incompatibilities | <p>For precautions see section 2.2.</p> <p>Store in cool place. Keep container tightly closed in a dry and well-ventilated place.</p> <p>Never allow product to get in contact with water during storage.</p> <p>Handle and store under inert gas. Air sensitive.</p> <p>Storage class (TRGS 510): Hazardous materials, which set free flammable gases upon contact with water.</p> |
| 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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|-----------------------------------|--|
| Control parameters | |
| 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. |
| Body Protection | Flame retardant protective 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. |

9. Physical and chemical properties

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|------------|----------------|
| Appearance | Form: granular |
| | Colour: silver |

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|---|------------------------------------|
| Odor | No data available |
| Odour Threshold | No data available |
| pH | No data available |
| Melting point/freezing point | Melting point/range: 850 °C - lit. |
| Initial boiling point and boiling range | 1,484 °C - lit. |
| Flash point | Not applicable |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Upper/lower | No data available |

flammability or

explosive limits

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|-----------------|-------------------|
| Vapour pressure | No data available |
|-----------------|-------------------|

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|----------------|-------------------|
| Vapour density | No data available |
|----------------|-------------------|

| | |
|------------------|--------------------|
| Relative density | 1.54 g/mL at 25 °C |
|------------------|--------------------|

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| Water solubility | No data available |
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|---|-------------------|
| Partition coefficient: n- octanol/water | No data available |
|---|-------------------|

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|---------------------------|-------------------|
| Auto-ignition temperature | No data available |
|---------------------------|-------------------|

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|---------------------------|-------------------|
| Decomposition temperature | No data available |
|---------------------------|-------------------|

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|-----------|-------------------|
| Viscosity | No data available |
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| Explosive properties | No data available |
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| Oxidizing properties | No data available |
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| Other safety information | No data available |
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10. Stability and reactivity

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| Reactivity | No data available |
| Chemical stability | Stable under recommended storage conditions. |
| Possibility of hazardous reactions | Reacts violently with water. |
| Conditions to avoid | Exposure to moisture |
| Incompatible materials | Strong oxidizing agents, Alcohols |
| Hazardous decomposition products | Hazardous decomposition products formed under fire conditions. - Calcium oxide |
| | Other decomposition products - No data available |
| | In the event of fire: see section 5 |

11. Toxicological information

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Information on toxicological effects

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|-----------------------------------|----------------------------|
| Acute toxicity | No data availableCalcium |
| Skin corrosion/irritation | No data available(Calcium) |
| Serious eye damage/eye irritation | No data available(Calcium) |
| Respiratory or skin sensitization | No data available(Calcium) |
| Germ cell mutagenicity | No data available(Calcium) |

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| 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 | No data available(Calcium) |
| Specific target organ toxicity - single exposure | No data available(Calcium) |
| Specific target organ toxicity - repeated exposure | No data available |
| Aspiration hazard | No data available(Calcium) |
| 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(Calcium) |

12. Ecological information

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|------------------------------------|--|
| Toxicity | No data available |
| Persistence and degradability | No data available |
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available(Calcium) |
| 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. |
| Other adverse effects | No data available . |

13. Disposal considerations

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| Waste treatment Method | |
| Product | Burn in a chemical incinerator equipped with an afterburner and scrubber b highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. |
| Contaminated packaging | Dispose of as unused product. |

14. Transport information

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|------------------------------|--|
| UN number | ADR/RID:1401 IMDG:1401 IATA: 1401 |
| UN proper shipping name | ADR/RID: CALCIUM |
| | IMDG: CALCIUM |
| | IATA: Calcium |
| Transport hazard class(es) | ADR/RID:4.3 IMDG: 4.3 IATA:4.3 |
| Packaging group | ADR/RID: II IMDG: II IATA:II |
| Environmental hazards | ADR/RID: no IMDG Marine pollutant: no IATA: no |
| Special precautions for user | No data available |

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture

Chemical Safety Assessment

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

For this product a chemical safety assessment was not carried out

16. Other information

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Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.

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