

1. Product and Company Identification

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Product Name Sodium Metabisulphite

Part Number RXSOL-60-6580-025

Company Details:....

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Chemical Name	Cas No	EC No	Weight	Formula
Sodium metabisulphite	7681-57-4	231-673-0	190.11 g/mol	Na ₂ S ₂ O ₅

3. Hazards Identification

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Signal Word Danger

Hazard Statements H302 Harmful if swallowed.

H318 Causes serious eye damage.

Precautionary statements P280 Wear eye protection/ face protection.

P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor

Classification of the substance or mixture Acute toxicity, Oral (Category 4), H302

Serious eye damage (Category 1), H318

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

Supplemental Hazard Statements Contact with acids liberates toxic gas.

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. Contact with acids liberates toxic gas.

4. First Aid Measures

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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

Eye Contact	respiration. Consult a physician.
Skin Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Swallowed	Wash off with soap and plenty of water. Consult a physician.
Most important symptoms and effects, both acute and delayed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Indication of any immediate medical attention and special treatment needed	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
	No data available

5. Fire-fighting Measures

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Suitable extinguishing media	Dry powder
Further information	No data available
Hazardous combustion products	Fire may cause the evolution of Sulphur oxides, nitrogen oxides.
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

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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.
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.
Methods and materials for containment and cleaning up	Pick up and arrange disposal without creating dust. Sweep up and shovel. Do not flush with water. Keep in suitable, closed containers for disposal.
Reference to other sections	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

7. Handling and Storage

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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.
Conditions for safe storage, including any incompatibilities	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Never allow product to get in contact with water during storage. Do not store near acids.
	Air and moisture sensitive.
Specific end use(s)	Storage class (TRGS 510): Non Combustible Solids 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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Engineering Control	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
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).
Body Protection	Complete suit protecting against chemicals, The type of protective

Skin protection

equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace

Respiratory 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.

Control of environmental exposure

Where risk assessment shows air-purifying respirators are appropriate use (EN 143) respirator cartridges as a backup to engineering controls. If the full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

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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Appearance

Form: powder

Colour

Colorless

Odour

Pungent

Odor Threshold

Not Applicable

pH

4.5 at 50 g/l at 20 °C

Melting Point

Melting point/range: > 300 °C

Boiling Point

No data available

Flash Point

No data available

Evaporation Rate

Not Applicable

Flammability (solid, gas)

No data available

Explosive limits

No Data Available

Upper/lower flammability or explosive limits

No data available

Autoignition temperature

No data available

Decomposition temperature

No data available

Vapour pressure

No data available

Viscosity

No data available

Relative Density

1.480 g/cm³

Specific Gravity

No data available

Partition coefficient : n- octanol/water

log Pow: -3.699 at 25 °C

Explosive properties

No data available

Water Solubility

650 g/l at 20 °C

Ignition temperature

No information available.

Particle characteristics

No data available

Other safety information

Bulk density 1,100 - 1,200 kg/m³

10. Stability and reactivity

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Reactivity

No data available

Chemical stability

Exposure to moisture

Possibility of hazardous reactions

Stable under recommended storage conditions.

No data available

Conditions to avoid

Exposure to air. Heat

Incompatible materials

Strong acids, Strong oxidizing agents

11. Toxicological information

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Acute toxicity	LD50 Oral - Rat - 1,540 mg/kg(Sodium metabisulphite) (OECD Test Guideline 401)
Skin corrosion/irritation	LD50 Dermal - Rat - > 2,000 mg/kg(Sodium metabisulphite)
Serious eye damage/irritation	No data available(Sodium metabisulphite) Eyes - Rabbit(Sodium metabisulphite) Result: Risk of serious damage to eyes. (OECD Test Guideline 405)
Respiratory or skin sensitization	Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.(Sodium metabisulphite)
Carcinogenicity	IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Sodium metabisulphite)
Germ cell mutagenicity	No data available(Sodium metabisulphite)
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available

12. Ecological information

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Toxicity to fish	LC50 - Oncorhynchus mykiss (rainbow trout) - 150 - 220 mg/l - 96 h(Sodium metabisulphite)
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 89 mg/l - 24 h(Sodium metabisulphite)
Toxicity to bacteria	Pseudomonas putida - 56 mg/l - 17 h(Sodium metabisulphite)
Toxicity to algae	IC50 - Desmodesmus subspicatus (green algae) - 48 mg/l - 72 h(Sodium metabisulphite)
Mobility in soil	No data available(Sodium metabisulphite)
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.
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Other adverse effects	Harmful to aquatic life.

13. Disposal considerations

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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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UN number	ADR/RID: - IMDG: - IATA: -
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UN proper shipping name	ADR/RID: Not dangerous goods
	IMDG: Not dangerous goods
	IATA: Not dangerous goods
Transport hazard class(es)	ADR/RID: - IMDG: - IATA: -
Packaging group	ADR/RID: - IMDG: - IATA: -
Environmental hazards	ADR/RID: No IMDG: 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	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Chemical Safety Assessment	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 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. DISCLAIMER OF LIABILITY : The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.
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