

1. Product and Company Identification

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Product Name Ammonium Bisulphite 65%
Part Number RXSOL-60-6119-250

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
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2. Composition / Information on ingredients

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Product name	Cas No	EC No	Weight	Formula
Ammonium Bisulphite 65% Solution	10192-30-0	233-469-7	65	NH ₄ HSO ₃

3. Hazards Identification

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Signal Word	Warning
Hazard Statements	H319 Causes serious eye irritation.
Precautionary statements	P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313 Get medical advice/attention. P403+233 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/container in accordance with national regulations.
Classification of the substance or mixture	No data available
Supplemental Hazard Statements	No data available
Other hazards	This product does not contain any PBT or vPvB substances

4. First Aid Measures

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General advice	No data available
Eye Contact	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.
Swallowed	No data available
Skin Contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing
Inhalation	Move the exposed person to fresh air at once. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.
Ingestion	DO NOT INDUCE VOMITING! Immediately give a couple of glasses of water or milk, provided the victim is fully conscious. Get medical

Most important symptoms and effects, both acute and delaye

attention.

The severity of the symptoms described will vary dependant of the concentration and the length of exposure. If adverse symptoms develop as described the casualty should be transferred to hospital as soon as possible. For more information on symptoms and effects, see section 11

Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

5. Fire-fighting Measures

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Flammability

No data available

Suitable extinguishing media

Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

Unsuitable extinguishing media

No data available

Special hazards arising from the substance or mixture

Contact with acids liberates toxic gas

Further information

No data available

Hazardous combustion products

Fire or high temperatures create: Sulphurous gases (SO_x). Sulphur dioxide. Ammonia. Nitrous gases (NO_x)

Advice for firefighters

Containers close to fire should be removed immediately or cooled with water.

Protective Equipment

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

Specific Hazards Arising from the Chemical

No data available

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Wear protective clothing as described in Section 8 of this safety data sheet.

Spillage

No data available

Personal Protection

No data available

Environmental Precaution

Do not let product enter drains. Risk of explosion.

Methods and materials for containment and cleaning

Stop leak if possible without risk. Dike far ahead of larger spills for later disposal. Absorb spillage with suitable absorbent material. Shovel into dry containers. Cover and move the containers. Flush the area with water.

Reference to other sections

For disposal see section 13.

7. Handling and Storage

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Advice on protection against fire and explosion

No data available

Incompatible materials

No data available

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove non-impervious clothing that becomes wet or contaminated.

Advice on safe handling

Avoid spilling, skin and eye contact. Avoid inhalation of vapours and spray mists.

Conditions for safe storage including any incompatibilities

Store in tightly closed original container in a dry, cool and well-ventilated place. Store away from Oxidising materials. and Acids. Contact with acids liberates toxic gas.

Storage class

Chemical storage

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

Advice on general occupational hygiene

No data available

8. Exposure controls and personal protection

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Exposure controls	Personal protective equipment
Engineering Control	Provide adequate general and local exhaust ventilation.
Eye/face protection	Wear approved safety goggles.
Body Protection	No data available
Skin protection	Protective gloves must be used if there is a risk of direct contact or splash. Use: Polyvinyl chloride (PVC). Be aware that the liquid may penetrate the gloves. Frequent change is advisable.
Respiratory protection	If ventilation is insufficient, suitable respiratory protection must be provided. Chemical respirator with inorganic vapour cartridge (Grey B). Gas cartridge (acid gases). At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used
Other Protection Measure	Wear appropriate clothing to prevent any possibility of skin contact. Provide eyewash station.

9. Physical and chemical properties

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Physical state	Clear liquid.
Colour	Colourless to pale yellow
Odour	Sulphur
Odor Threshold	No data available
pH	4.5 - 5.5
Melting Point	< 0°C
Boiling Point	No data available
Flash Point	N/A
Evaporation Rate	No data available
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
Density	1.32 - 1.39 g/ml (20°C)
Relative Density	No data available
Specific Gravity	No data available
Partition coefficient	No data available
Explosive properties	No data available
Solubility	Soluble in water.
Ignition temperature	No data available
Particle characteristics	No data available

10. Stability and reactivity

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Reactivity	Contact with acids liberates toxic gas. Sulphur dioxide. Contact with alkalis. Releases Ammonia gas (NH ₃).
Chemical stability	Stable under normal temperature conditions and recommended use
Possibility of hazardous reactions	No data available
Conditions to avoid	Avoid contact with acids and alkalis. Temperatures above 50°C.
Incompatible materials	Strong oxidising substances.

11. Toxicological information

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Skin corrosion/irritation	Prolonged and frequent contact may cause redness and irritation.
Serious eye damage/irritation	Irritating to eyes. Spray and vapour in the eyes may cause irritation and smarting.
Respiratory or skin sensitization	May cause irritation to the respiratory system.
Ingestion	May cause discomfort if swallowed. May cause stomach pain or vomiting. May cause discomfort if swallowed. May cause stomach pain or vomiting.
Germ cell mutagenicity	No data available
Reproductive toxicity	No data available

12. Ecological information

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Persistence and degradability	No data available
Toxicity to fish	The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity	The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Products Biodegradation	No data available
Mobility in soil	The product is soluble in water.
Results of PBT and vPvB assessment	No data available
Endocrine disrupting properties	No data available
Other adverse effects	No data available

13. Disposal considerations

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General information	Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.
Waste class	The definitive European Waste code for this product will depend upon the final use that is made of this material. EWC-code: 06 01 99 Waste number: 7131. Inorganic acids.
Waste treatment Method	Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements

14. Transport information

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UN number	ADR/RID:- IMDG:- IATA:-
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 Marine pollutant: No IATA: No
Special precautions for user	No data available
Further information	No data available

15. Regulatory information

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Safety, health and environmental regulations/legislation specific for the substance or mixture	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Other regulations	No data available
Chemical Safety Assessment	European Union REACH - All components comply with REACH regulations. Contact REACH@miswaco.com if further information is required. Complies with the following national/regional chemical inventory requirements: Europe (EINECS / ELINCS), Australia (AICS), China (IECSC), New Zealand (NZIoC), Phillipines (PICCS), United States (TSCA). Canada (DSL / NDSL), Japan (METI / ENCS), Korea (TCCL / ECL),

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. 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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