

1. Product and Company Identification

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Product Name Ammonium Bisulfite
Part Number RXSOL-60-6119-501

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Product name	Cas No	EC No	Weight	Formula
Ammonium bisulfite,solution	10192-30-0	-	99.11 g/mol	NH ₄ HSO ₃

3. Hazards Identification

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Signal Word	Danger
Hazard Statements	H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation.
Precautionary statements	P260 Do not breathe dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER/doctor. P403+P233 Store in a well-ventilated place. Keep container tightly closed.
Classification of the substance or mixture	No data available
Supplemental Hazard Statements	No data available
Other hazards	No data available

4. First Aid Measures

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General advice	Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.
If inhaled	No data available
Eye Contact	Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Swallowed	No data available
Skin Contact	Wash with plenty of soap and water.
Inhalation	If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.
Ingestion	Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.
Most important symptoms and effects, both acute and delayed	No data available
Indication of any immediate medical attention and special treatment needed	No data available

5. Fire-fighting Measures

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Flammability	No data available
Suitable extinguishing media	Water spray, BC-powder, Carbon dioxide (CO ₂) Unsuitable extinguishing media Water jet
Unsuitable extinguishing media	No data available
Special hazards arising from the substance or mixture	Substance or mixture corrosive to metals.
Further information	No data available
Hazardous combustion products	Nitrogen oxides (NO _x), Carbon monoxide (CO), Carbon dioxide (CO ₂)
Advice for firefighters	In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.
Protective Equipment	No data available
Specific Hazards Arising from the Chemical	No data available

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
Spillage	No data available
Personal Protection	No data available
Environmental Precaution	Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.
Methods and materials for containment and cleaning	Advices on how to contain a spill Covering of drains Advices on how to clean up a spill Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder Appropriate containment techniques Use of adsorbent materials. Other information relating to spills and releases Place in appropriate containers for disposal. Ventilate affected area.
Reference to other sections	Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: 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	No data available
Advice on safe handling	Recommendations - Measures to prevent fire as well as aerosol and dust generation Use local and general ventilation. Use only in well-ventilated

Conditions for safe storage including any incompatibilities

areas. Advice on general occupational hygiene Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs

Storage conditions

Managing of associated risks - Corrosive conditions Store in corrosive resistant container with a resistant inner liner. - Packaging compatibilities Only packagings which are approved (e.g. acc. to ADR) may be used.

Storage class

No data available

Specific end use(s)

No data available

Advice on general occupational hygiene

See section 16 for a general overview.

No data available

8. Exposure controls and personal protection

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Environmental Exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

Engineering Control

No data available

Eye/face protection

Wear eye/face protection

Body Protection

Protective clothing.

Skin protection

Wear suitable gloves. Chemical protection gloves are suitable, which are tested according to EN 374. Check leak-tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these glove

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Other Protection Measure

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

9. Physical and chemical properties

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Physical state

Liquid

Colour

Various

Odour

Characteristic

Odor Threshold

No data available

pH

No data available

Melting Point

No data available

Boiling Point

100 °C

Flash Point

No data available

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

23 hPa at 20 °C

Viscosity

No data available

Density

1.182 g /cm³ at 20 °C

Relative Density

No data available

Specific Gravity

No data available

Partition coefficient

No data available

Explosive properties	No data available
Solubility	No data available
Ignition temperature	No data available
Particle characteristics	No data available

10. Stability and reactivity

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Reactivity	Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials". It's a reactive substance. Substance or mixture corrosive to metals.
Chemical stability	No data available
Possibility of hazardous reactions	No data available
Conditions to avoid	There are no specific conditions known which have to be avoided.
Incompatible materials	Oxidisers
Hazardous decomposition products	Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

11. Toxicological information

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Acute toxicity	Harmful if swallowed. - Acute toxicity estimate (ATE) Oral 500 mg/kg
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/irritation	Causes serious eye damage
Respiratory or skin sensitization	Shall not be classified as a respiratory or skin sensitiser.
Carcinogenicity	No data available
Germ cell mutagenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	May cause respiratory irritation.
Additional Information	No data available

12. Ecological information

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Persistence and degradability	No data available
Toxicity to fish	No data available
Toxicity to daphnia and other aquatic invertebrates	No data available
Toxicity	No data available
Toxicity to bacteria	No data available
Toxicity to algae	No data available
Products Biodegradation	No data available
Mobility in soil	No data available
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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Product	No data available
Contaminated packaging	No data available
Waste treatment Method	Sewage disposal-relevant information Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets. Waste treatment of containers/packagings It is a dangerous waste;

only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself

14. Transport information

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UN number	ADR/RID:2693	IMDG:2693	IATA:2693
UN proper shipping name	ADR/RID:BISULPHITES, AQUEOUS SOLUTION, N.O.S.	IMDG:BISULPHITES, AQUEOUS SOLUTION, N.O.S.	IATA:BISULPHITES, AQUEOUS SOLUTION, N.O.S.
Transport hazard class(es)	ADR/RID:8	IMDG:8	IATA:8
Packaging group	ADR/RID:III	IMDG:III	IATA:III
Environmental hazards	ADR/RID:No	IMDG:No	IATA:No
Special precautions for user	Provisions for dangerous goods (ADR) should be complied within the premises.		
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	Take note of Dir 94/33/EC on the protection of young people at work.
Chemical Safety Assessment	A Chemical Safety Assessment has been carried out for this substance.

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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No data available