Material Safety Data Sheet

SODIUM PERSULPHATE AR (RXSOL-60-6605-553)

1. Product and Company Identifaction

Product Name	SODIUM PERSULPHATE AR
Part Number	RXSOL-60-6605-553

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

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2. Composition / informationon ingredients

Chemical Name	CAS	EC number	Weight
SODIUM PERSULPHATE AR	7775-27-1	231-892-1	100%

3. Hazards Identification

Signal Word	Danger
Hazard Statements	H272 May intensify fire; oxidizer. H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation.
Precautionary statement(s)	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P220 Keep away from clothing and other combustible materials. P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection/ hearing protection. P301 + P312 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. P302 + P352 IF ON SKIN: Wash with plenty of water.
Response	None
Disposal	P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Prevention	P273 Avoid release to the environment.
Supplemental Hazard Statements	None
Classification of the substance or mixture	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.
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.

4. First Aid Measures

General advice	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical
If inhaled	Allow victim to breathe fresh air. Allow the victim to rest
Eye Contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists
swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water.
Skin Contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
Inhalation:	Allow victim to breathe fresh air. Allow the victim to rest.
Ingestion:	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
Notes to Physician	Treat symptomatically
If swallowed	After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.
Most important symptoms and effects, both acute and delaye	Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.
Indication of any immediate medical attention and special treatment needed	No data available

5. Fire-fighting Measures

Flammability	NA
Flash Point	NA.
Suitable extinguishing media	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	Do not use a heavy water stream
Specific hazards arising from the chemical	No additional information available
Further information	NA
Firefighting instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection
Protective Equipment	NA
Specific Hazards Arising from the Chemical	NA

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	For non-emergency personnel Protective equipment : Safety glasses. Emergency procedures : Evacuate unnecessary personnel
Spillage	NA
Personal Protection	Protective equipment : Safety glasses. Emergency procedures : Evacuate unnecessary personnel.
Enviromental Precaution	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Methods and materials for containment and cleaning	Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
For non-emergency personnel	Protective equipment : Safety glasses. Emergency procedures : Evacuate unnecessary personnel.
For emergency responders	Protective equipment : Equip cleanup crew with proper protection. Emergency procedures : Ventilate area.
Reference to other sections	See Heading 8. Exposure controls and personal protection

7. Handling and Storage

Advice on safe handling	NA
Advice on protection against fire and explosion	NA
Hygiene measures	Wash contaminated clothing before reuse.
Precautions for safe handling	Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor
Conditions for safe storage, including any incompatibilities	Storage conditions : Keep container closed when not in use. Incompatible products : Strong oxidizers. Strong acids. silver nitrate. metals. Incompatible materials : Sources of ignition. Direct sunlight.
Storage conditions	Keep container closed when not in use.
Storage class	NA
Specific end use(s)	NA
Handling	NA
Advice on general occupational hygiene	NA
Incompatible products	Strong oxidizers. Strong acids. silver nitrate. metals.
Incompatible materials	Sources of ignition. Direct sunlight

8. Exposure controls and personal protection

Occupational Exposure limit values	No data available
Biological limit values	No data available
Exposure controls	NA
Engineering Control	Appropriate engineering controls : Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.
Eye/face protection	Chemical goggles or safety glasses
Body Protection	protective clothing
Skin protection	Wear fire/flame resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
Respiratory protection	Respiratory protection not required in normal conditions
Other Protection Measure	NA
Control of environmental exposure	NA
Thermal hazards	No data available
Other information	Do not eat, drink or smoke during use.



Gloves



Suit

9. Physical and chemical properties

Physical state	Liquid
Colour	Colorless
Odour	Odorless
Odor Threshold	Not Applicable
pH	Not Applicable
Melting Point	Not Applicable
Boiling Point	No data available
Flash Point	No data available
Evaporation Rate	Not Applicable

Flammability (solid, gas)	Non flammable
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
Density	1
Vapour Density	No Data Available
Specific Gravity	No data available
Partition coefficient	No data available
Explosive properties	None
Solubility	Miscible with water.
Ignition temperature	No information available.
Particle characteristics	No data available

10. Stability and reactivity

Reactivity	No additional information available
Stability	Stable under normal conditions
Possibility of hazardous reactions	None.
Conditions to avoid	Direct sunlight. Extremely high or low temperatures
Incompatible materials	Strong acids. Strong oxidizers. metals. silver nitrate.
Hazardous Polymerization	No data available
Hazardous decomposition products	Hydrogen chloride.

11. Toxicological information

Acute toxicity	Oral: No data available Inhalation: No data available Dermal: No data available
Skin corrosion/irritation	no data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitization	No data available
Serious eye damage/eye irritation	No data available
Rout Of Entry	Inhalation. Ingestion.
Toxicity to Animal	NA
Toxic Effects on Human	NA
Germ cell mutagenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Special Remarks on other Toxi Effects on Humans:	NA
Additional Information	Dehydration and congestion may occur in internal organs. Hypertonic salt solutions can
Assessment	NA
Endocrine disrupting properties	NA

12. Ecological information

Persistence and degradability	No data available
Toxicity	Mixture No data available

Bioaccumulative potential	No data available
Toxicity to fish	NA
Toxicity to daphnia and other aquatic invertebrates	NA
Toxicity to algae	NA
Eco Toxicity	Not Available
COD and BOD 5	Not Available
Products Biodegradation:	The methods for determining the biological degradability are not applicable to inorganic substances.
Mobility in soil	No Information available
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.
Endocrine disrupting properties	NA
Assessment	NA
Other adverse effects	No data available

13. Disposal considerations

Disposal methods	NA
Contaminated packaging	Dispose of as unused product.
Waste treatment Method	Product Offer surplus and non-recyclable solutions to a licensed disposal company. Contaminated packaging Dispose of as unused product.

14. Transport information

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: No IATA: No
Special precautions for user	No data available
Further information	Not classified as dangerous in the meaning of transport regulations
Transport in bulk according to IMOinstruments	No data available

15. Regulatory information

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. International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors : REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals : REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). : This product contains a substance listed on Annex XIV of the REACH Regulation (EC) Nr. 1907/2006. Listed substance / Sunset Date : After the sunset date the use of this substance requires either an authorization or can only be used for exempted uses, e.g. use in scientific research and development which includes routine analytics or use as intermediate. Regulation (EC) No 1005/2009 on substances that deplete the ozone layer
Safety, health and environmental regulations specific for the product in question	NA
National legislation	NA
DSCL (EEC)	NA
Other regulations	NA
Chemical Safety Assessment	For this product a chemical safety assessment was not carried out

16. Other information

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 weassume 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.