Material Safety Data Sheet

Sodium Aluminate (RXSOL-40-6263-100)

1. Product and Company Identifaction

Product Name	Sodium Aluminate
Part Number	RXSOL-40-6263-100

Company Details:

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

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2. Composition / informationon ingredients

Chemical Name	CAS No	EC No	Weight	Formula
Sodium Aluminate (NaAlO2)	1302-42-7	215-100-1	81.97	AlO2.Na

3. Hazards Identification

Classification of the substance or mixture	CLP Classification - According to GB-CLP Regulations UK SI 2019/720
Physical hazards	Based on available data, the classification criteria are not met
Health hazards	Skin Corrosion/Irritation Serious Eye Damage/Eye Irritation
Environmental hazards	Based on available data, the classification criteria are not met
Signal Word	Danger
Hazard Statements	H314 - Causes severe skin burns and eye damage
Precautionary Statements	P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting P280 - Wear eye protection/ face protection 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 or doctor/physician

4. First Aid Measures

If inhaled	Remove to fresh air. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-wayvalve or other proper respiratory medical device. Immediate medical attention is required.Ifnot breathing, give artificial respiration.

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
Swallowed	Do NOT induce vomiting. Call a physician or poison control center immediately
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.
Most important symptoms and effects, both acute and delayed	Causes burns by all exposure routes. Ingestion causes severe swelling, severedamagetothe delicate tissue and danger of perforation
Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

5. Fire-fighting Measures

Suitable extinguishing media	CO2, dry chemical, dry sand, alcohol-resistant foam.
Hazardous combustion products	Nitrogen oxides (NOx). Carbon monoxide (CO). Carbon dioxide (CO2). Sulfur oxides.
Advice for firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) andfull protective gear. Thermal decomposition can lead to release of irritating gases and vapors.
Specific Hazards Arising from the Chemical	Thermal decomposition can lead to release of irritating gases and vapors.

6. Accidental Release Measures

Personal precautions	Ensure adequate ventilation. Use personal protective equipment as required. Keep people away from and upwind of spill/leak. Evacuate personnel to safe areas. Avoid dust formation.
Enviromental Precaution	Should not be released into the environment.
Methods and materials for containment and cleaning	Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

7. Handling and Storage

Precautions for safe handling	Use only under a chemical fume hood. Wear personal protective equipment/face protection. Do not get in eyes, on skin, or onclothing. Avoid dust formation. Do not breathe (dust, vapor, mist, gas). Do not ingest. If swallowed then seek immediate medical assistance.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Wash hands before breaks and after work.
Conditions for safe storage, including any incompatibilities	Keep containers tightly closed in a dry, cool and well-ventilated place. Corrosives area.

8. Exposure controls and personal protection

Appropriate engineering controls	Ensure adequate ventilation, especially in confined areas. Ensure that eye wash stations and safety showers are close to the work station location.
Exposure control	The manufacturer recommends a 5 ppm PEL.
Eye/face protection	Wear appropriate protective eye glasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Biological limit values	This product, as supplied, does not contain any hazardous materials with biological limits established by the region specificregulatory bodies
Skin protection	Wear appropriate protective gloves and clothing to prevent skin exposure
Respiratory protection	No protective equipment is needed under normal use conditions
Hygiene Measures	Prevent further leakage of spillage if safe to do so. Do not let product enter drains.

9. Physical and chemical properties

Physical state	Solid
Colour	White
Odour	Characteristic
Odor Threshold	Not Applicable
pH	No information available
Melting Point	1650 °C / 3002 °F
Boiling Point	No information 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 information available
Vapour pressure	No data available
Density	No data available
Vapour Density	No Data Available
Freezing point	No data available
Specific Gravity	No data available
Partition coefficient	No data available
Explosive properties	No data available
Solubility	No information available
Relative density	No data available
Ignition temperature	No information available.
Particle characteristics	No data available
Viscosity	No data available

10. Stability and reactivity

Reactivity	None known, based on information available
Stability	Stable under normal conditions
Conditions to avoid	Incompatible products. Excess heat. Avoid dust formation
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Thermal decomposition can lead to release of irritating gases and vapors. Sodiumoxides.

11. Toxicological information

Acute toxicity	No data available
Irritation	No data available
Sensitization	No data available
Carcinogenicity	No data available
Germ cell mutagenicity	No data available
Reproductive Effects	No information available.
Developmental Effects	No information available.
Teratogenicity	No information available.
Specific target organ toxicity - single exposure	None known
Specific Target Organ Toxicity - Repeated Exposure	None known
Aspiration Hazard	The toxicological properties have not been fully investigated.

12. Ecological information

Ecotoxicity	Do not empty into drains.
Persistence and degradability	Soluble in water, Persistence is unlikely, based on information available. Not relevant for inorganic substances.
Bioaccumulative potential	Bioaccumulation is unlikely
Mobility	The product is water soluble, and may spread in water systems Will likely be mobileintheenvironment due to its water solubility. Highly mobile in soils

13. Disposal considerations

Waste from Residues/Unused Products	Waste is classified as hazardous. Dispose of in accordance with the EuropeanDirectiveson waste and hazardous waste. Dispose of in accordance with local regulations.
Contaminated Packaging	Dispose of this container to hazardous or special waste collection point.
European Waste Catalogue (EWC)	According to the European Waste Catalog, Waste Codes are not product specific, but application specific.
Other Information	Waste codes should be assigned by the user based on the application for whichtheproductwas used. Do not empty into drains. Do not flush to sewer. Large amounts will affect pHand harm aquatic organisms.

14. Transport information

UN number	UN2812
UN proper shipping name	Sodium aluminate, solid
Transport hazard class(es)	8
Packaging group	III
Environmental hazards	No
Special precautions for user	No data available
Further information	No data available

15. Regulatory information

Safety, health and environmental regulations specific for the product in question	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Other regulations	No data available
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 merchant ability 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, how so ever arising, even if Rx Marine International has been advised of the possibility of such damages.