Material Safety Data Sheet

SODIUM METHOXIDE AR (RXSOL-60-6605-535)

1. Product and Company Identifaction

Product Name	SODIUM METHOXIDE POWDER LR
Part Number	RXSOL-60-6605-536

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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Email	mail@rxmarine.com
Website	www.rxmraine.com

2. Composition / informationon ingredients

Chemical Name	CAS	EC number	Weight
SODIUM METHOXIDE POWDER LR	124-41-4	204-699-5	98

3. Hazards Identification

Signal Word	Danger
Hazard Statements	H228 Flammable solid. H251 Self-heating; may catch fire. H290 May be corrosive to metals. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage
P280 Wear protective gloves.P305 + P351 + P338	NA
Precautionary statements response	P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dust. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P304 + P340 + P312 IF INHALED Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.P308 + P313 IF exposed or concerned Get medical advice/ attention
Response	None
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	First aiders need to protect themselves. Show this material safety data sheet to the doctor in attendance.
If inhaled	After inhalation: fresh air. Call in physician.
Eye Contact	After eye contact: rinse out with plenty of water. Immediately call in ophthalmologist. Remove contact lenses.

swallowed	After swallowing: make victim drink water (two glasses at most), avoid vomiting (risk of perforation). Call a physician immediately. Do not attempt to neutralise.
Skin Contact	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Call a physician immediately.
If swallowed	After swallowing: make victim drink water (two glasses at most), avoid vomiting (risk of perforation). Call a physician immediately. Do not attempt to neutralise
Most important symptoms and effects, both acute and delaye	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed	No data available

5. Fire-fighting Measures

Suitable extinguishing media	Carbon dioxide (CO2) Dry powder
Unsuitable extinguishing media	Foam Water
Special hazards arising from the substance or mixture	Carbon oxides Sodium oxides Combustible. Vapors are heavier than air and may spread along floors. May not get in touch with: Water Development of hazardous combustion gases or vapours possible in the event of fire.
Further information	Suppress (knock down) gases/vapors/mists with a water spray jet.Prevent fire extinguishing water from contaminating surface water or the ground water system.
Advice for firefighters	Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.
Enviromental Precaution	Do not let product enter drains. Risk of explosion.
Methods and materials for containment and cleaning	Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

Advice on safe handling	Keep workplace dry. Do not allow product to come into contact with water.
Advice on protection against fire and explosion	Keep away from open flames, hot surfaces and sources of ignition.Take precautionary measures against static discharge.
Hygiene measures	Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance. For precautions see section 2.2.
Storage conditions	No metal containers. Tightly closed. Keep away from heat and sources of ignition. Never allow product to get in contact with water during storage. Moisture sensitive. Store under inert gas.
Storage class	Storage class (TRGS 510): 4.2: Pyrophoric and self-heating hazardous materials
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure controls and personal protection

Occupational Exposure limit values	No data available
Biological limit values	No data available
Exposure controls	Personal protective equipment
Engineering Control	NA

Eye/face protection	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Safety glasses
Body Protection	Protective clothing
Skin protection	This recommendation applies only to the product stated in the safety data sheet,supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Full contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:KCL 741 Dermatril® L This recommendation applies only to the product stated in the safety data sheet, supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: www.kcl.de). Splash contact Material: Nitrile rubber Minimum layer thickness: 0,11 mm Break through time: 480 min Material tested:KCL 741 Dermatril® L
Respiratory protection	Required when dusts are generated. Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system. Recommended Filter type: Filter type P3 The entrepeneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.
Other Protection Measure	NA
Control of environmental exposure	Do not let product enter drains.
Thermal hazards	No data available



Gloves



Suit

9. Physical and chemical properties

Physical state	Crystalline
Colour	Colorless
Odour	Dorless
Odor Threshold	Not Applicable
pH	5,74 at 430 g/l at 22,5 °C
Melting Point	Melting point/range: 755 °C - lit.
Boiling Point	1.390 °C at ca.1.013 hPa
Flash Point	No data available
Viscosity	Viscosity, kinematic: 2550 mm2/s - OPPTS 830.7100 Viscosity, dynamic: No data available
Evaporation Rate	Not Applicable
Flammability (solid, gas)	The product is not flammable. - Flammability (solids)
Explosive limits	No Data Available
Upper/lower flammability or explosive limits	No data available
Autoignition temperature	No data available
Decomposition temperature	> 750 °C
Vapour pressure	1 hPa at 806 °C
Density	3,2 g/cm3 at 25 °C
Vapour Density	1 hPa at 806 °C
Specific Gravity	No data available
Partition coefficient	No data available
Explosive properties	None
Solubility	946 g/l at 25 °C - soluble
Ignition temperature	No information available.
Particle characteristics	No data available
Oxidizing properties	None
Other safety information	No data available

10. Stability and reactivity

Reactivity	No data available
Stability	The product is chemically stable under standard ambient conditions (room temperature) .
Possibility of hazardous reactions	Risk of explosion with: Alkali metals halogen-halogen compounds Generates dangerous gases or fumes in Contact with: Strong acids Release of: hydrogen bromide
Conditions to avoid	Avoid moisture. Heat. no information available
Incompatible materials	No data available
Hazardous Polymerization	In the event of fire: see section 5

11. Toxicological information

Acute toxicity	LD50 Oral - Rat - male and female - 1.687 mg/kg (OECD Test Guideline 401) Inhalation: No data available LD50 Dermal - Rat - male and female - > 2.000 mg/kg Remarks: (ECHA)
Skin corrosion/irritation	Skin - Rabbit Result: Causes severe burns. - 4 h (US-EPA) Remarks: (Regulation (EC) No 1272/2008, Annex VI)
Respiratory or skin sensitization	No data available
Serious eye damage/eye irritation	Eyes - Rabbit Result: Corrosive to eyes - 24 h Remarks: (ECHA) Remarks: Causes serious eye damage.
Germ cell mutagenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Assessment	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher. burning sensation, Cough, wheezing, laryngitis, Shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

Persistence and degradability	Biodegradability aerobic - Exposure time 20 d Result: 95 % - Readily biodegradable. Remarks: Methano
Toxicity	Toxicity to fish flow-through test LC50 - Lepomis macrochirus (Bluegill) - 15.400 mg/l - 96 h (US-EPA) Remarks: Methanol
Bioaccumulative potential	No data available
Toxicity to fish	Fow-through test LC50 - Lepomis macrochirus (Bluegill) - 15.400 mg/l - 96 h (US-EPA) Remarks: Methanol
Toxicity to daphnia and other aquatic invertebrates	Static test EC50 - Daphnia magna (Water flea) - > 10.000 mg/l - 48 h (DIN 38412) Remarks: Methanol
Toxicity to algae	Static test ErC50 - Pseudokirchneriella subcapitata - ca. 22.000 mg/l - 96 h (OECD Test Guideline 201) Remarks: Methanol
Toxicity to bacteria	Static test IC50 - activated sludge - > 1.000 mg/l - 3 h (OECD Test Guideline 209) Remarks: Methanol
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.
Assessment	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Other adverse effects	No data available

13. Disposal considerations

Waste treatment Method	See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

14. Transport information

UN number	ADR/RID: -:1431 IMDG: -:1431 IATA: -:1431
UN proper shipping name	ADR/RID: SODIUM METHYLATE IMDG: SODIUM METHYLATE IATA: Sodium methylate
Transport hazard class(es)	ADR/RID: -4.2 (8) IMDG: -4.2 (8) IATA: -4.2 (8)
Packaging group	ADR/RID: -II IMDG: -II IATA: -II
Environmental hazards	ADR/RID: No IMDG Marine pollutant: No IATA: No
Special precautions for user	(D/E)
Further information	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.
Other regulations	Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. 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

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.