Material Safety Data Sheet

ALCA SOL RX (RXSOL-70-7033-500)

1. Product and Company Identifaction

Product Name	ALCA SOL RX
Part Number	RXSOL-70-7033-500

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

Phone	+91 22 20871200 - 1400
Fax	+91 22 27612100 :::AOH :0091 9821214367
Email	mail@rxmarine.com
Website	www.rxmraine.com

2. Composition / informationon ingredients

Chemical Name	CAS No	EC number	Weight %
Orthophosphoric acid	7664-38-2	231-633-2	5-10%
Naphtha, low boiling, hydrogen treated	64742-82-1	265-185-4	10-20%
Fatty alcohol ethoxylate	34398-01-1	----	10-30%

3. Hazards Identification

Pictograms	GHS05 Corrosion, GHS08 Health hazard
Signal Word	Danger.
Hazard Statements	H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H318 Causes serious eye damage. H372 Causes damage to central nervous system through prolonged or repeated exposure.
Precautionary statements	P260 Do not breathe mist / vapour / spray. P262 Do not get on eyes, on skin, or on clothing. P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P331 Do NOT induce vomiting. P501 Dispose of contents/container to industrial incineration plant.

4. First Aid Measures

General advice	Remove contaminated clothing, including underwear and shoes, immediately.
If inhaled	If inhalation of mist, fume or vapour causes irritation of the respiratory tract, provide for fresh air. If symptoms persist, seek medical advice.
Eye Contact	In case of contact with the eyes, rinse for several minutes with plenty of water with eyes held open. Immediately seek medical advice.
Swallowed	Get medical advice immediately. Do NOT induce vomiting. Rinse out mouth and then drink plenty of water. May cause lung damage if swallowed.
Skin Contact	In case of contact with the skin, wash off immediately with soap and water. Remove contaminated clothing immediately and wash skin carefully. Seek medical advice.
Most important symptoms and effects, both acute and delayed	Signs for eyes and skin irritation: burning sensation, redness, swelling. Signs, that material enters lungs: coughing, choking, wheezing, difficulty in breathing, pulmonary blood pressure, dyspnea and/or fever. The onset of respiratory symptoms may be delayed for several hours after exposure. Overexposure may cause drowsiness, tiredness, dizziness, headache, and possibly loss of consciousness.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically. There is no specific antidote. INFORMATIONEN TO PHYSICIAN: High risk of chemical pneumonia if aspirated during and after ingestion.

5. Fire-fighting Measures

Suitable extinguishing media	Extinguishing media: alcohol-resistant foam, dry fire-extinguishing media or Water spray jet. MUST NOT BE USED: ful water jet
Special hazards arising from the substance or mixture	Dangerous decomposition products: acidic vapours, carbon dioxide, carbon monoxide.
Advice for firefighters	Fire in closed rooms must be fighted from trained personnel wearing suitable breathing apparatus. Further information: remove container from fire area and use water spray to keep containers cool.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Personal precautions: See Section 8 „Protective equipment“. Ensure adequate ventilation
Enviromental Precaution	Turn leaking containers leak-side up to prevent the escape of liquid. Do not allow to enter drains/surface waters/groundwater.
Methods and materials for containment and cleaning	Pick up with absorbent material (e.g. sand, sawdust, universal binder). Keep appropriate amount of suitable material ready.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

Precautions for safe handling	Ensure that there is sufficient ventilation of the area. Avoid direct contact with the product. Keep away from sources of ignition – do not smoke.
Conditions for safe storage, including any incompatibilities	Keep container tightly closed and store in a cool, well ventilated place. Storage class (Germany): 12

8. Exposure controls and personal protection

Appropriate engineering controls	Respiratory protection: Respiratory protection not necessary in well ventilated rooms. Respiratory protection is required when vapours/aerosols are generated. The employment of respiratory equipment must be strictly in accordance with the manufacturer’s instructions and any statutory requirements governing its selection and use. Hand protection: Gloves, Type MAPA Professional Ultranitril 491 or comparable. Eye protection: Eye glasses with side protection. Skin protection: Use protective clothing if there is a risk of direct contact or splashes.

Hygiene measures	Do not eat, drink or smoke at work. Wash hands before breaks and after work. Take off contaminated clothing. Do not breathe mist/vapour/spray

9. Physical and chemical properties

Physical state	Liquid
Colour	Colourless
Odour	Specific, like hydro carbon
pH	2,1 (when diluted with water 1:50)
Melting Point	No data available
Boiling Point	No data available
Flash Point	> 64°C
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 data available
Vapour pressure	No data available
Density	0,845 g/cm3
Vapour Density	No Data Available
Freezing point	No data available
Specific Gravity	No data available
Partition coefficient	No data available
Solubility in water	Emulsifies
Other solubilities	Soluble in many organic solvents
Relative density	approx. 0.95 g/cm³ (20°C)
Ignition temperature	No information available.
Particle characteristics	No data available
Viscosity	No data available

10. Stability and reactivity

Reactivity	No special information.
Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	Stable under normal conditions of use
Conditions to avoid	Stable under normal conditions of storage. Keep away from heat and sources of ignition.
Incompatible materials	Exothermic reaction with alkali (lye), concentrated.
Hazardous decomposition products	No hazardous decomposition products if stored and handled as prescribed. Incomplete combustion/thermal decomposition will generate acidic fumes, carbon dioxide and carbon monoxide

11. Toxicological information

Acute toxicity	LD50 (oral, rat) No specific test data available.
Corrosion/irritation	Skin Irritating. Eye Irritating. After inhalation Drowsiness, difficulties in breathing.
Sensitization	No data available

Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Specific target organ toxicity - single exposure	No effects known on today's state of knowledge.
Specific Target Organ Toxicity – Repeated Exposure	Causes damage to central nervous system through prolonged or repeated exposure. Frequent persistent contact with the skin causes skin irritation, dryness, cracking and dermatitis
Aspiration Hazard	May be fatal if swallowed and enters the airways.

12. Ecological information

Persistence and degradability	The organic components of the preparation are inherently biodegradable (according to OECD criteria).
Bioaccumulative potential	No data available.
Toxicity	No data available.
Mobility in soil	Liquid. Not water soluble.
Results of PBT and vPvB assessment	No data available.
Other adverse effects	Hazardous effects caused by pH shift. Quantitative data with respect to ecological effects of the product are not available. Water hazard class (Germany): WGK 1

13. Disposal considerations

Waste treatment methods	Final allocation of waste key depends on product application. Has to be done in collaboration with waste disposal contractor. Dispose of via an authorized person/ licensed waste disposal contractor in accordance with local regulations. Incineration may be carried out under controlled conditions provided that local regulations for emissions are met. At sea, used or unwanted product should be stored for eventual disposal by a licensed waste disposal contractor.

14. Transport information

UN number	Not restricted
UN proper shipping name	Not restricted
Transport hazard class(es)	Not restricted
Packaging group	Not restricted
Environmental hazards	Not restricted
Special precautions for user	Not restricted
Further information	Not restricted

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

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