Material Safety Data Sheet

Scale Mineral Cleaner (RXSOL-15-3011-025)

1. Product and Company Identifaction

Product Name	Scale Mineral Cleaner
Part Number	RXSOL-15-3011-025

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

Component	CAS-No.	Concentration
Carboxylic Acid	---	27 – 54 %
Proprietory Blend of Acid with addition of citric acid, urea- monohydrochloride and urea-sulfate	Proprietory	9-18

3. Hazards Identification

Classification according to CLP (EC) No 1272/2008 [CLP / GHS]

Skin Irrit. 2; H315
Eye Dam. 1; H318

Signal Word	Warning
Hazard statement	H315 Causes skin irritation. H318 Causes serious eye damage.
Precautionary statement	P280 Wear protective gloves / protective clothing / safety glasses / face shield. P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse/shower skin with water. 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

General Advice	Remove the person to fresh air and keep at rest in a position comfortable for breathing. Corrosion should be treated by a physician.
If inhaled	Move the person to fresh air and keep them at rest in a position that facilitates breathing. If symptoms occur in the respiratory tract: Call a POISON CENTER or doctor/physician. In case of difficulty breathing, trained personnel may assist the patient by administering oxygen.
In case of skin contact	IF ON SKIN: Wash thoroughly with plenty of soap and water. IF ON SKIN (or hair): Remove contaminated clothing immediately. Rinse/shower skin with water. Seek medical attention if you feel unwell.
In case of eye contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open the eye wide. If irritation persists, continue flushing during transport to hospital. Take the safety data sheet with you
If swallowed	IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. If vomiting occurs, keep head low to prevent stomach contents from entering lungs. Rinse nose, mouth and throat with water. Drink plenty of water. Obtain immediate medical attention or transport to hospital. Take the safety data sheet with you.

Recommended personal protective equipment for first responders	Use necessary protective equipment – see section 8. Avoid contact with skin, eyes and corrosive residues of the chemical. Inform medical personnel of the hazard of the product and that they take the necessary precautions for their own protection.
Most important symptoms and effects, both acute and delayed	IF ON SKIN: Wash with plenty of soap and water. IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Can cause serious eye damage if the injury is not treated promptly.
Indication of any immediate medical attention and special treatment needed	Symptoms of chemical burns may only appear after several hours, keep the patient under supervision.

5. Fire-fighting Measures

Suitable extinguishing media	Water spray, carbon dioxide, powder or alcohol-resistant foam.
Unsuitable extinguishing media	Do not use a strong water jet when extinguishing a fire as this will spread the fire.
Special hazards arising from the substance or mixture	Not classified as flammable according to current regulations. Carbon dioxide (CO2), Carbon monoxide (CO), Nitrogen oxides (NOx), Corrosive gasser.
Advice for firefighters	Use protective gloves / protective clothing / safety glasses / face shield. Use water jet to protect personnel and cool exposed containers. Wear self-contained breathing apparatus and protective clothing. Wear required personal protective equipment. Do not breathe fumes resulting from fire and/or explosion. Fire extinguishing water that has been in contact with the product may be corrosive.
Other information	Protective equipment in accordance with European standard EN 469 will provide basic protection in the event of a chemical spill.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Wear required personal protective equipment. Avoid contact with eyes and skin. Evacuate area. Keep people away from/of spill/leak and to the downstream side of it. Avoid breathing gas/fume/vapour/spray.
Environmental precautions	Avoid release to the environment.
Methods and material for containment and cleaning up	Collect mechanically or absorb with inert material such as vermiculite, sand, dolomite, diatomaceous earth, etc. Collected material is delivered in closed and labeled containers to an approved landfill or reception station.
Reference to other sections	In the event of pollution of sea, water or sewage, the authorities must be informed in accordance with Norwegian legislation.

7. Handling and Storage

Handling	Open carefully to relieve any excess pressure. Ensure adequate ventilation, especially in confined spaces. Wear required personal protective equipment. Use with local exhaust ventilation. Avoid breathing gas/fume/vapour/spray. Avoid contact with skin, eyes and clothing.
Advice on general occupational hygiene	Do not eat, drink or smoke when using the product. Wash hands thoroughly after use. Contaminated clothing must be washed before reuse. Regular cleaning of equipment, work area and clothing is recommended
Storage conditions	Keep out of reach of children. Store in a cool, dry and well-ventilated place. Store in properly labeled containers.

8. Exposure controls and personal protection

Product measures to prevent exposure	Ensure adequate general and local ventilation, especially in confined spaces.
Eye/face protection	If there is a risk of splashing, wear approved safety glasses or face shield.
Hand protection	Suitable gloves

Skin protection	Wear suitable protective clothing if there is a risk of direct contact or splashes.
Body Protection	Protective clothing
Respiratory protection	Respiratory protection is not required for normal use.
Other information	Personal protective equipment should be selected according to CEN standards and in collaboration with the supplier of personal protective equipment.

9. Physical and chemical properties

Physical state	Liquid.
Color	Colorless.
Odor	Characteristic.
Melting point/freezing point	No data available
Initial boiling point and boiling range	~ 100 °C
Flammability (solid, gas)	The product is not flammable.
Upper/lower flammability or explosive limits	No data available
Flash point	> 100 °C
Autoignition temperature	No data available
Decomposition temperature	No data available
pH	1.55 – 1.65
Viscosity	5.0 mPas
Water solubility	Partially miscible with water at 20 °C.
Partition coefficient: n-octanol/water	No data available
Vapor pressure	No data available
Density	No data available
Relative density	1.05 – 1.15 g/cm3
Relative vapor density	No data available
Particle characteristics	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Bilk density	No data available

10. Stability and reactivity

Reactivity	The product is non-reactive under recommended conditions of use, storage and transport.
Chemical stability	Stable under normal temperature conditions and recommended use.
Risk of dangerous reactions	Does not polymerize.
Conditions to avoid	Avoid frost.
Incompatible materials	Baser.
Hazardous decomposition products	No hazardous decomposition products when used as recommended.

11. Toxicological information

Acute toxicity	Type of toxicity: Acute Tested efficacy: LD50 Route of exposure: Oral Verdi: 3540 mg/kg Test animal species: Rat Type of toxicity: Acute Tested efficacy: LD50 Route of exposure: Dermal Verdi: > 2000 mg/kg Stable under normal temperature conditions and recommended use. Type of toxicity: Acute Test animal species: Rabbit Type of toxicity: Acute Test effect: LC50 Route of exposure: Inhalation Duration: 1 hour Value: > 8000 mg/l Test species: Rat Test reference: OECD 403
Inhalation	Inhalation may cause coughing and burning in the nose and throat.
Skin contact	Irritating to the skin.
Eye contact	Causes serious eye damage.
Ingestion	May be dangerous if swallowed in large quantities.
Allergy	Contains no substances with known allergenic properties (allergens).

Carcinogenic properties, other information	Contains no substances with known carcinogenic properties (carcinogens).
Cartilage damage	Contains no substances known to damage genetic material (mutagens)
Reproductive harm	Contains no known hormone disruptors or other substances known to cause reproductive harm.

12. Ecological information

Ecotoxicity	Not classified as environmentally hazardous. However, the product must not be discharged into sewers or waterways or deposited where it can affect soil or surface water. The product may affect the pH of the aquatic environment with a risk of harmful effects on aquatic organisms.
Toxicity to algae	Verdi: > 10000 mg/l Test duration: 72 hours Art: Skeletonema costatum
Aquatic toxicity, fish	Verdi: > 10000 mg/l Test duration: 96 hours Art: Cyprinodon variegatus
Aquatic toxicity, crustaceans	Verdi: > 10000 mg/l Test duration: 48 hours Art: Acartia tsonsa
Persistence and degradability	Gave: 98% Method: OECD 306 Test period: 28 days
Bioaccumulative potential	No data available
Mobility in soil	The product is water-soluble and can be dispersed in the aquatic environment.
Results of PBT and vPvB assessment	Does not meet the PBT criteria of the REACH Regulation. Does not meet the vPvB criteria of the REACH Regulation

13. Disposal considerations

Waste Treatment Methods	Collect in labeled containers and deliver to an approved disposal site. Contents/container delivered to an approved landfill in accordance with local regulations.
Waste code EAL	EAL: 07 06 11* sludges from on-site wastewater treatment containing dangerous substances. EAL: 16 05 07* discarded inorganic chemicals consisting of or containing dangerous substances
Other information	Waste codes should be assigned by the user according to the product application and for what the product was used. Contaminated packaging must be emptied completely and can be reused after appropriate cleaning. Clean IBCs or drums at an approved facility. Packaging that cannot be cleaned should be discarded. Since emptied containers may contain product residues, the label warnings regarding disposal must be followed even after the container has been emptied.

14. Transport information

UN number	Not dangerous goods
UN proper shipping name	Not dangerous goods
Transport hazard class(es)	Not dangerous goods
Packaging group	Not dangerous goods
Environmental hazards	Not dangerous goods
Tunnel restriction code	Not dangerous goods
Further information	Not dangerous goods

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	For this product a chemical safety assessment was not carried out

16. 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.

Other Information

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