Material Safety Data Sheet

Masonry Brick Cleaner (RXSOL-13-1048-025)

1. Product and Company Identifaction

Product Name	**RXSOL-13-1048-025**
Product Type	**Masonry Brick Cleaner**

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

Stock Point: Mumbai, Kandla, Kolkata, Chennai, Vizag, Fujairah, Muscat, Nairobi

Phone	+91 22 65113333/5555/9999/27611360/27815540
Fax	+91 22 2781 1318 ::: AOH: 0091 9322594669
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Ingredient	CAS No.	% (w/w)
Hydrochloric acid	7647-01-0	45-60
Sulphuric acid	7664-93-9	1-3

3. Hazards Identification

Classification according to CLP: Skin Corr. 1B; H314. Eye Dam. 1; H318. STOT SE 3; H335. Met. Corr. 1; H290.
Signal word: Danger.
Contains: Hydrochloric acid (15-20%).
Hazard statements: H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H335 May cause respiratory irritation. H290 May be corrosive to metals.
Precautionary statements: P260 Do not breathe vapour/spray. P280 Wear eye protection and gloves. P305/351/338 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/doctor. P501 Dispose of contents/container in accordance with local regulations. P102 Keep out of reach of children.
Other hazards: Reacts with a number of metals forming hydrogen gas, which may form explosive vapour/air mixtures. This product does not contain any PBT or vPvB substances.

4. First Aid Measures

Inhalation: Move injured person into fresh air and keep person calm under observation. If uncomfortable, seek hospital treatment and bring these instructions. Symptoms of lung oedema, including shortness of breath, may develop up to 24 hours after exposure. Immediately call an ambulance. Serious cases: If not breathing, give artificial respiration. Unconscious persons must be placed on their side, head low and kept warm. Call an ambulance and bring these instructions to the hospital.
Skin contact: Remove contaminated clothing and flush with plenty of water until pain disappears. If discomfort persists, transport to hospital and bring these instructions.
Eye contact: Immediately flush with plenty of water. Remove any contact lenses and open eyes wide apart. Call an ambulance and continue flushing during transportation to hospital. Bring these instructions.
Ingestion: Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring these instructions.
Medical attention/treatments: Treat symptomatically.

5. Fire-fighting Measures

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials. Cool containers exposed to heat with water spray and remove container if no risk is involved.
Special hazards arising from the substance or mixture: During fire, gases hazardous to health may be formed.
Protective equipment for firefighters: Use air-supplied respirator during fire fighting.

6. Accidental Release Measures

Personal precautions: Look out. The product is corrosive. Avoid inhalation of vapours and contact with skin and eyes. Follow precautions for safe handling described in this safety data sheet.
Environmental precautions: Do not discharge into drains, water courses or onto the ground.
Methods for cleaning up: Absorb spillage with suitable absorbent material. Large quantities can be neutralised with lime. After cleaning, flush away remaining spillage with plenty of water.
Reference to other sections: For personal protection, see section 8.

7. Handling and Storage

Safe handling advice: Avoid inhalation of vapours and contact with skin and eyes. Immediately change drenched clothing. Observe good chemical hygiene practices.
Technical measures: Never pour water into acid/base. Dilute by slowly pouring the product into water while stirring.
Technical precautions: Mechanical ventilation may be required. Provide easy access to water supply and eye wash facilities. First-aid equipment, including eye wash bottle, must be available at the work site.
Storage conditions: Keep locked up. Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from freezing and direct sunlight.
Specific end use: Universal cleaner for bricks and masonry.

8. Exposure controls and personal protection

Occupational exposure limits: Hydrogen chloride, gas and aerosol mists, CAS No. 7647-01-0: 1 ppm / 2 mg/m3 TWA; 5 ppm / 8 mg/m3 STEL 15 min. Sulphuric acid mist, CAS No. 7664-93-9: 0.05 mg/m3 TWA. Reference: EH40/2005.
Engineering measures: Provide adequate ventilation. Observe occupational exposure limits and minimise the risk of inhalation of vapours and spray mist. An eye wash bottle must be available at the work site.
Respiratory equipment: In case of inadequate ventilation, use suitable respirator.
Hand protection: Wear protective gloves. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.
Eye protection: Wear goggles/face shield.
Skin protection: Wear apron or protective clothing in case of splashes. Wash contaminated clothing before reuse.
Hygiene measures: Wash hands after handling.
Environmental exposure controls: Not available.

9. Physical and chemical properties

Appearance	Clear blue liquid
Odour	Acidic
Odour threshold	Not available
pH	1-2
Melting point / freezing point	Not relevant
Boiling point	100°C
Flash point	Not relevant
Evaporation rate	Not available
Explosive limits	Not relevant
Vapour pressure	Not available
Vapour density	Not available
Relative density	1.1
Solubility	Completely soluble in water
Partition coefficient n-octanol/water	Not available
Auto-ignition temperature	Not relevant
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not relevant
Oxidising properties	Not available

10. Stability and reactivity

Reactivity: No data available.
Chemical stability: Stable under normal temperature conditions.
Possibility of hazardous reactions: No data available.
Conditions to avoid: Do not add water directly to the product. It may cause a violent reaction.
Incompatible materials: Strong bases. Strong oxidizing and reducing substances.
Hazardous decomposition products: When heated, toxic vapours are formed.

11. Toxicological information

Acute toxicity, oral: Based on available data, the classification criteria are not met.
Acute toxicity, dermal: Based on available data, the classification criteria are not met.
Acute toxicity, inhalation: Based on available data, the classification criteria are not met.
Skin corrosion/irritation: Causes severe skin burns and eye damage.
Serious eye damage/irritation: Causes serious eye damage.
Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.
Germ cell mutagenicity: Based on available data, the classification criteria are not met.
Carcinogenicity: Based on available data, the classification criteria are not met.
Reproductive toxicity: Based on available data, the classification criteria are not met.
STOT - single exposure: May cause respiratory irritation.
STOT - repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.
Inhalation: Spray mists are corrosive. Vapours irritate the respiratory system and may cause coughing and difficulties in breathing.
Skin contact: Causes burns.
Eye contact: Causes burns. Risk of serious damage to eyes. Immediate first aid is necessary.
Ingestion: Corrosive. Immediate first aid is necessary. May cause chemical burns in mouth and throat.

12. Ecological information

Ecotoxicity: The product may affect the acidity, pH factor, in water with risk of harmful effects to aquatic organisms.
Persistence and degradability: The product solely consists of inorganic compounds which are not biodegradable.
Bioaccumulative potential: No data available on bioaccumulation.
Mobility in soil: No data available.
PBT/vPvB: This product does not contain any PBT or vPvB substances.
Other adverse effects: None known.

13. Disposal considerations

Dispose of waste and residues in accordance with local authority requirements. Waste is classified as hazardous waste.
Waste from residues: EWC-code 20 01 29.

14. Transport information

UN number	3264
Proper shipping name	CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (Hydrochloric acid, Sulphuric acid)
Transport hazard class	8
Packing group	II
Marine pollutant	No
Environmentally hazardous substance	No
Special precautions for user	None known
Transport in bulk	Not relevant

15. Regulatory information

Special provisions: As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.
Additional label/packaging statement: Less than 5% non-ionic surfactants.
National regulation: Regulation (EC) No 1907/2006 concerning REACH, with amendments. Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, with amendments. The Control of Substances Hazardous to Health Regulations 2002, with amendments. EH40/2005 Workplace exposure limits 2005, with amendments. Regulation (EC) No 648/2004 on detergents. The Management of Health and Safety at Work Regulations 1999, with amendments. The List of Wastes (England) (Amendment) Regulations 2005.
Chemical safety assessment: No chemical safety assessment has been carried out.

16. Other information

Supersedes date: 2019-10-23. Last revised date: 2020-07-16. Source SDS-ID: GB-EN/3.0.
Abbreviations and acronyms used in the safety data sheet: PBT = Persistent, Bioaccumulative and Toxic. vPvB = very Persistent and very Bioaccumulative.
Classification according to Regulation (EC) No. 1272/2008: Calculation method.
Wording of H-statements: H290 May be corrosive to metals. H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. H335 May cause respiratory irritation.
The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.