Material Safety Data Sheet

Cement Remover Gel RX Hold (RXSOL-22-2202-035)

1. Product and Company Identifaction

Product Name	Cement Remover RX Hold
Product Type	RXSOL-22-2202-035

Company Details:
RX MARINE INTERNATIONAL
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VASHI ,NEW BOMBAY 400703 INDIA

Phone	+91 22 27611360 / 27815540
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2. Composition / informationon ingredients

Ingredients	CAS Number	Proportion	Classification*
Proprietoy Blend of Polymeric ACID	---	35%	C; R34, R37
Water soluble Non Hazardous	---	> 65%	---

*See section 16 for the full text of the classifications and the R-phrases declared above. Occupational Exposure Limits, if available, are listed in section 8.

3. Hazards Identification

The preparation is classified as dangerous according to Directive 1999/45/EC and its amendments. Causes burns. Irritating to respiratory system.A clear colourless liquid with pungent odour.

4. First Aid Measures

INHALATION:
Move person to fresh air. Transport him/her lying down with the head higher than the body to an uncontaminated and well-ventilated location. Keep him/her warm. If breathing stops, administer artificial respiration. Get medical attention immediately.

SKIN CONTACT:
Remove contaminated clothing and wash skin thoroughly for a minimum of 15 minutes with large quantities of water. Keep him/her warm (blanket), provide clean clothing. Get medical attention.

EYES CONTACT:
Wash eyes immediately with large amounts of water, lifting the upper and lower eyelids and rotating eyeball. Continue washing for a minimum of 15 minutes, while keeping the eyelids wide open. Get medical attention and consult an ophthalmologist.

INGESTION:
Get medical attention immediately. If conscious, rinse mouth with fresh water. Do not give anything to drink. Do not induce vomiting.

5. Fire-fighting Measures

EXTINGUISH MEDIA:
Non-flammable, use agent suitable for surrounding fire.

FIRE FIGHTING PROCEDURES – PROTECTIVE MEASURES:
Evacuate all non-essential personnel. Intervention only by capable personnel who are trained and aware of the hazards of the product. Approach fire from upwind to avoid hazardous vapours. Use flooding quantities of water as fog or spray to keep fire-exposed containers cool. Extinguish fire using agent suitable for surrounding fire. Wear self-contained breathing apparatus when in close proximity or in confined spaces.

HAZARDOUS COMBUSTION PRODUCTS:
Non-combustible/non-flammable but may produce dangerous fumes if involved in fire.Formation of flammable gas on contact with certain metals (see Chapter 10 – Stability and Reactivity).Contact with water may produce heat release and presents risks of splashing.

6. Accidental Release Measures

Exposure Limits	TLV(TWA)1mg/m3(HCl).
Exposure controls	The undiluted product must not be used in a confined space without good ventilation.
Occupational exposure controls	Wear suitable protective clothing, including eye/face protection and gloves(plastic or rubber are recommended) Respiratory protectionmay be required under exceptional circumstances when excessive air contamination exists Eyewash bottles should be available.

9. Physical and chemical properties

Information on basic physical and chemical properties:

Appearance:	Liquid
Color:	Clear, Colorless
Odor:	Pungent
Boiling Point Range:	65.6oC – 110.0oC (150oF – 230oF)
Melting Point Range:	Not available
Solubility in water	Appreciable
Flash Point:	None
Autoignition Temperature:	None
Lower Explosion Limit (vol %):	None
Upper Explosion Limit (vol %):	None
Vapour Pressure:	78mmHg at 20oC
Relative vapor density (air=1):	1.27
Specific Gravity:	1.16 gr/cm3 (at 15oC)
pH Value:	1 (1% solution)

10. Stability and reactivity

STABILITY	Stable under normal conditions of use.
CONDITIONS TO BE AVOIDED	Contact with strong bases can cause violent reaction generating large amounts of heat. Reactions with metals can release flammable hydrogen gas.
MATERIALS TO BE AVOIDED	Bases, metals, oxidizing agents, Fluorine, Carbons, Sulfides, Vinyl acetate, Formic Aldehyde, Hypochlorite.
HAZARDOUS DECOMPOSITION PRODUCTS	Chlorine. Hydrogen.

11. Toxicological information

Name of Substance: Acidic Mixture

TOXICOLOGICAL DATA:
Acute Toxicity:
Oral route, LD50, rat, 238-277 mg/kg.
Inhalation, LC50, 60 min, rat, 4.2 – 4.7 mg/l (gas).

Irritation:
Rabbit, corrosive (skin) (17% solution).
Rabbit, serious damage (eyes) (10% solution).
Inhalation, mouse, Respiratory, irritation (RD50), 309 ppm (gas).
Various species reacts with mucous membrane.

Sensitization:
Non sensitizing (skin).

Chronic Toxicity:
Inhalation, after repeated exposure, rat/mouse, target organ: respiratory tract, >= 10 ppm, observed effect (gas).In vitro, no mutagenic effect.
Inhalation, after prolonged exposure, rat, no carcinogenic effect (gas).

HEALTH EFFECTS:
Main effects: Corrosive to mucous membrane, eyes and skin. The seriousness of the lesions and the prognosis of intoxication depend directly on the concentration and duration of exposure. Odour/ odour threshold: 1 to 5 ppm.

Inhalation:
Hydrogen chloride gas, mist and vapour can cause irritation of respiratory tract, with burning, choking, coughing headache and rapid heartbeat.

Skin contact:
Can rapidly cause burning of the skin. Repeated or prolonged contact with dilute solutions and concentrated vapours, can cause irritation and dermatitis.

Eye contact:
Liquid or concentrated vapours can cause eye irritation, severe burns and permanent damage including blindness.

Ingestion:
Can cause the severe burn of mouth, oesophagus and stomach. Depending upon amount swallowed holes in the intestinal tract, shock and death can occur.

FURTHER TOXICOLOGICAL INFORMATION:
No standard carcinogenicity studies for hydrogen chloride were identified. Hydrogen chloride is not listed on the IARC, NTP or OSHA carcinogen lists.

12. Ecological information

Name of Substance:
Acidic Mixture

Acute Ecotoxicity:
Fishes, Lepomis macrochirus, LC50, 96 hours, pH = 3.25-3.6
Crustaceans, Daphnia magna, EC 50, pH = 5.3
Algae, Selenastrum capricornutum, EC 50, biomass, pH = 5.1
Algae, Selenastrum capricornutum, NOEC, biomass, pH = 6.0

Mobility:
Air: Result:
considerable volatility.
Water/soil:
considerable solubility and mobility.
Persistence and degradability

Abiotic degradation:
-Air, indirect photo-oxidation, t1/2 = 11 days. Conditions: sensitizer: OH radicals.
-Air/water/soil Result: instantaneous ionization.
-Air/water/soil Result: neutralization by natural alkalinity.
Biotic degradation- Result: not applicable (inorganic compound).

Bioaccumulative potential:
Result: not applicable (ionizable inorganic compound).

Comments:
The diluted product is rapidly neutralized at environmental pH.

13. Disposal considerations

DISPOSAL METHODS:
All disposals of this material must be done in accordance with local, state and federal regulations. Contact waste exchanges for recycling. Waste characterization and compliance with disposal regulations are the responsibilities of the waste generator. Recovered solids or liquids may be sent to a licensed reclaimer or disposed of in a permitted waste management facility.

PACKAGING TREATMENT:
To avoid treatments, as far as possible, use dedicated containers.
If not: Rinse the empty containers with plenty of water and treat the effluent in the same way as waste. The empty and clean containers are to be reused in conformity with regulations.

14. Transport information

Proper Shipping Name:
Hydrochloric Acid, Solution

LAND TRANSPORT:

UN number:	1789		
ADR class:	8	RID class:	8

SEA TRANSPORT:

UN number:	1789	EmS:	F-A, S-B
IMDG class:	8		
IMDG packing group:	II		

AIR TRANSPORT:

UN number:	1789	
IATA/ICAO class:	8	Packing group: II

15. Regulatory information

Symbol: C, Corrosive
C, Corrosive

Risk Phrases:
R-Phrases: R34 Causes burns.
R37 Irritating to respiratory system.

Safety Phrases:
S-Phrases: S2 Keep out of the reach of children.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S23 Do not breathe gas/vapour.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.

16. Other information

Disclaimer:
The text of R and S phrase codes used in this safety data sheet:- R34: Causes burns; R36: Irritating to eyes; R37: Irritating to the respiratory system; R41: Risk of serious damage to eyes. The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications used in such may cause risks not

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