Material Safety Data Sheet

Shower Bathroom Cleaner (SBC) (RXSOL-17-1066-025)

1. Product and Company Identifaction

Product Name	RXSOL-17-1066
Product Type	Shower Bathroom Cleaner (SBC)

Company Details:

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

Phone	+91 22 65113333 / 5555 / 9999 / 27611360
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2. Composition / informationon ingredients

Chemical Name	Concentration	CAS Number
PHOSPHORIC ACID	>10 by volume	7664-38-2
HYDROGEN CHLORIDE	> 3 by Volume	7647-01-0
Proprietory High Molecular Surfactant	...	...

3. Hazards Identification

Odour	mint odor
Appearance	Water based clear, non-viscous, green liquid
Contact with eyes	Liquid or concentrated vapors can cause eye irritation, severe burns & permanent damage including blindness
Contact with skin	Liquid or concentrated vapors can cause burning of skin. Repeated or prolonged contact can cause irritation & dermatitis.
Inhalation	Hydrogen chloride gas, mist & vapor can cause respiratory tract irritation with burning, choking, coughing, headaches, rapid heart beat. High concentrations &/or prolonged contact can cause inflammation & destruction of nasal passages & breathing difficulties, which may be delayed in onset.
Ingestion	Can cause severe burns of mouth, esophagus and stomach. Nausea, pain and vomi t ing f requent ly occur . Ulcerat ion, kidney inf lammat ion, shock & unconsciousness can occur.

4. First Aid Measures

Eye Contact:	Liquid or concentrated vapors can cause eye irritation, severe burns & permanent damage including blindness.
Skin Contact:	Liquid or concentrated vapors can cause burning of skin.Repeated or prolonged contact can cause irritation & dermatitis.
Ingestion	Can cause severe burns of mouth, esophagus and stomach. Nausea, pain and vomi t ing f requent ly occur . Ulcerat ion, kidney inf lammat ion, shock & unconsciousness can occur.
Inhalation	Hydrogen chloride gas, mist & vapor can cause respiratory tract irritation with burning, choking, coughing, headaches, rapid heart beat. High concentrations &/or prolonged contact can cause inflammation & destruction of nasal passages & breathing difficulties, which may be delayed in onset.

5. Fire-fighting Measures

- **FLASH POINT AND METHOD USED**:-Non-combustible.
- **EXTINGUISHER MEDIA:**-Non-combustible. Use agents as appropriate for materials in surrounding fire.
- **SPECIAL FIRE FIGHTING PROCEDURE S :** Non-combust ible. Use clothng & safety equipment as may be suitable for phosphoric acid, hydrochloric acid &
materials in the surrounding fire.acid & materials in the surrounding fire.

6. Accidental Release Measures

Respiratory Protection (specify type) :	Not normally needed at ambient temperatures. Under fire conditions, use approved self-contained breathing apparatus with full face piece.
Protective Gloves :	Neoprene or PVC.
Eye Protect ion:	Chemical goggles, face shield where splashing is possible
Other Protective Clothing & Equipment :	Safety showers & eyewash stat ions. Neoprene or PVC rain sui t & boots, if needed.
Hygienic WorkPractices :	Avoid contact wtih skin. Avoid breathing vapors. Do not eat, drink or smoke in work area. Wash hands after handling. Remove contamianted clothing.
Ventilation Requirements :	As necessary to maintain air concentrations of hydrogen chloride below 5 ppm at all times. Special ventilation is not normally needed

7. Handling and Storage

Steps To Be Taken If Material Is Spilled Or Released:	Contain spill & prevent run off into ground & surface waters or sewers. Neutralize with soda ash. Recover neutralized products into properly labeled non-leaking containers for proper disposal.
Waste Disposal Methods:	Dispose of in accordance with all local, state and federal regulations.
Storage	Store in original shipping containers. Keep closed when not in use. Do not store near strong alkalis or other reactive materials. Shelf life 1 year. Protect from extreme heat and cold.
Other Precautios & / or Special Hazar s :	KEEP OUT OF REACH OF CHI LDREN.

8. Exposure controls and personal protection

FLASH POINT AND METHOD USED	Non-combustible.
EXT INGUISHER MEDIA:	Non-combustible. Use agents as appropriate for materials in surrounding fire.
SPCIAL FIRE FIGHTING PROCEDURES :	Non-combust ible. Use clothng & safety equipment as may be suitable for phosphoric acid, hydrochloric acid & materials in the surrounding fire.

9. Physical and chemical properties

Appearance:	Water based clear, non-viscous, green liquid
Odor	mint odor
Boiling Point:	Not known
Vapor Pressure:	N/A
Solubility in Water:	Miscible
Specific Gravity (H2O=1):	1.27
Evaporation Rate	Not known
Water Reactive:	None

10. Stability and reactivity

- **Incompat ibi l i ty (Mat. to avoid)**: Bases, metals, mercuric sulfate, perchloric acid, carbides, acetylides, phosphides & silicides.
- **Condi t ions to Avoid:** Excessive heat will volatilize hydrogen chloride (hydrochloric acid) gas.

11. Toxicological information

Toxicological information	No experimental data available.
Inhalation	Hydrogen chloride gas, mist & vapor can cause respiratory tract irritation with burning, choking, coughing, headaches, rapid heart beat. High concentrations &/or prolonged contact can cause inflammation & destruction of nasal passages & breathing difficulties, which may be delayed in onset.
Contact with skin	Liquid or concentrated vapors can cause burning of skin. Repeated or prolonged contact can cause irritation & dermatitis.
Contact with eyes	Liquid or concentrated vapors can cause eye irritation, severe burns & permanent damage including blindness.

CHRONIC EFFECTS:	Repeated episodes of tissue damage may result in accumulation of scar tissue
Ingestion	Can cause severe burns of mouth, esophagus and stomach. Nausea, pain and vomi t ing f requent ly occur . Ulcerat ion, kidney inf lammat ion, shock & unconsciousness can occur.
Medical Conditions General ly Ag gravated by Exposure	Asthma, bronchitus, emphysema & other lung conditions & chronic nose, sinus or throat conditions.

12. Ecological information

13. Disposal considerations

14. Transport information

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15. Regulatory information

16. Other information