Material Safety Data Sheet

Heavy Toilet Urinal Cleaner (RXSOL-17-1061-025)

1. Product and Company Identifaction

Product Name	RXSOL-17-1061
Product Type	Heavy Toilet & Urinal Cleaner / HCL (De-Min 24)

Company Details:

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

Stock Point : Kandla - Gandhidham, Mumbai, Kolkata, Visakhapatnam, Chennai, Fujairah

Phone	+91 22 27815541 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / informationon ingredients

COMPONENTS-CHEMICAL NAMES AND COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	CAS Number	SARA III LIST	OSHA PEL (ppm)	ACGIH TLV (ppm)	Carcinogen Ref. Source **
HYDROCHLORIC ACID Citric Acid Oxalic Acid Phosphoric Acid	7647-01-0	Yes	5	5	d

3. Hazards Identification

PRIMARY ROUTES OF ENTRY:	[X] INHALATION [ ] INGESTION [X] SKIN ABSORPTION [X] EYE [ ] NOT HAZARDOUS
ACUTE EFFECTS	
Inhalation:	Irritant causing burning, choking, coughing, headache.
Eye Contact:	Irritation, severe burns & permanent damage including blindness.
Skin Contact:	Burning, irritation, dermatitis.
Ingestion:	Unlikely route-causes severe burns to internal organs.
CHRONIC EFFECTS:	None known.
Medical Conditions Generally Aggravated by Exposure:	Skin, eye, mucous membrane irritation.

4. First Aid Measures

Eye Contact:	Wash eyes for 15 minutes. Get immediate medical attention.
Skin Contact:	Remove contaminated clothing, wash skin with water for 15 minutes.
Inhalation:	Move to fresh air. Get medical attention.
Ingestion:	DO NOT INDUCE VOMI T ING. Drink 3 to 4 glasses of water. Get immediate medical attention.

5. Fire-fighting Measures

FLAMMABILITY as per USA FLAME PROJECTION TEST (aerosols)	N/A
Auto Ignition Temperature	N/A
Flammability Limits in Air by % in Volume:	
% LEL:	N/A
% UEL:	N/A
FLASH POINT AND METHOD USED (non-aerosols):	None
SPECIAL FIRE FIGHTING PROCEDURES:	Wear NIOSH approved breathing apparatus & full protective gear when fighting fires. Spray containers with water to keep cool & prevent ruptures.
EXTINGUISHER MEDIA:	Non-Combustible.
Unusual Fire & Explosion Hazards:	Avoid exposure to metals, oxidants which might product flammable hydrogen gas.

6. Accidental Release Measures

STABILITY	[X] STABLE [ ] UNSTABLE
HAZARDOUS	POLYMERIZATION [ ] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid):	Bases, metals, mercuric sulfate, carbides of calcium, cesiam, rubidium.
Conditions to Avoid:	Contact with strong bases can cause violent reaction generating large amounts of heat.
Hazardous Decomposition Products:	Hydrogen gas.

7. Handling and Storage

Steps To Be Taken If Material Is Spilled Or Released:	Contain fluid by diking. Neutralize with soda ash or baking soda.
Waste Disposal Methods:	Neutralize material may be washed down the sewer. Absorbed material to be boxed and disposed of in compliance with local, state and federal regulations.
Precautions To Be Taken In Handling & Storage:	Store in closed labeled containers. Keep in cool, metal free area for not more than one year
Other Precautions &/or Special Hazards:	KEEP OUT OF REACH OF CHI LDREN. Do not store near strong alkalies or other reactive materials.

8. Exposure controls and personal protection

Respiratory Protection (specify type):	Approved sel f -contained breathing apparatus when use concent rat ions exceed 100 ppm HCI vapors.
Protective Gloves:	Neoprene.
Eye Protection:	Chemical goggles or face shield.
Ventilation Requirements:	As necessary to maintain air concentration below 5 ppm at all times.
Other Protective Clothing & Equipment:	Neoprene or PVC rain suit & boots in case of fire. Safety showers & eyewash stations should be available.
Hygienic Work Practices:	Wash hands af ter use. Do not eat , dr ink or smoke in immediate area.

9. Physical and chemical properties

Boiling Point:	212ºF
Specific Gravity (H2O=1):	1.05
Vapor Pressure: PSIG @ 70°F (Aerosols):	N/A
Vapor Pressure (Non-Aerosols)(mm Hg and Temperature):	N/A
Vapor Density (Air = 1):	N/A
Evaporation Rate (water= 1):	1
Solubility in Water:	Total
Water Reactive:	None
Appearance and Odor:	Red / Blue fluid with mint fragrance.

10. Stability and reactivity

STABILITY	[X] STABLE [ ] UNSTABLE

HAZARDOUS	POLYMERIZATION [ ] WILL [X] WILL NOT OCCUR
Incompatibility (Mat. to avoid):	Bases, metals, mercuric sulfate, carbides of calcium, cesiam, rubidium.
Conditions to Avoid:	Contact with strong bases can cause violent reaction generating large amounts of heat.
Hazardous Decomposition Products:	Hydrogen gas.

11. Toxicological information

Toxicological information	No experimental data available.
Inhalation	Irritant causing burning, choking, coughing, headache.
Contact with skin	In cases of severe exposure, irritation may develop.
Contact with eyes	Irritation, severe burns & permanent damage including blindness
CHRONIC EFFECTS:	not known
Ingestion	Unlikely route-causes severe burns to internal organs.
skin contact	Burning, irritation, dermatitis.
Medical Conditions Generally Aggravated by Exposure:	Skin, eye, mucous membrane irritation.

12. Ecological information

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13. Disposal considerations

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14. Transport information

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15. Regulatory information

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16. Other information