1. Product and Company Identifaction

www.rxmarine.com

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 <u>mail@rxmarine.com</u>

2. Composition / Information on ingredients

www.rxmarine.com

COMPONENTS-CHEMICAL NAMES AND	CAS Number	SARA	OSHA PEL	ACGIH
COMMON NAMES (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)		III LIST	(ppm)	TLV (ppm)

Yes

Citric Acid Oxalic Acid Phosphoric Acid

HYDROCHLORIC ACID

3. Hazards Identification

www.rxmarine.com

PRIMARY ROUTES OF ENTRY: [X] INHALATION [] INGESTION [X] SKIN ABSORPTION [X] EYE [] NOT HAZARDOUS

7647-01-0

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 Skin, eye, mucous membrane irritation.

Aggravated by Exposure:

4. First Aid Measures

www.rxmarine.com

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

www.rxmarine.com

FLAMMABILITY as per USA FLAME N/A

PROJECTION TEST (aerosols)

Auto Ignition Temperature N/A

Flammability Limits in Air by % in

Volume:

% LEL: N/A
% UEL: N/A
FLASH POINT AND METHOD USED None

(non-aerosols):

SPECIAL FIRE FIGHTING Wear NIOSH approved breathing apparatus & full protective gear when fighting fires. Spray containers with water to

PROCEDURES: 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

www.rxmarine.com

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

www.rxmarine.com

Steps To Be Taken If Material Is Spilled Contain fluid by diking. Neutralize with soda ash or baking soda.

Or Released:

Waste Disposal Methods: Neutralize material may be washed down the sewer. Absorbed material to be boxed and disposed of in compliance wi

federal regulations.

Precautions To Be Taken In Handling & Store in closed labeled containers. Keep in cool, metal free area for not more than one year

Storage:

Other Precautions &/or Special

KEEP OUT OF REACH OF CHI LDREN. Do not store near strong alkalies or other reactive materials.

Hazards:

8. Exposure controls and personal protection

www.rxmarine.com

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 & Neoprene or PVC rain suit & boots in case of fire. Safety showers & eyewash stations should be available.

Equipment:

Hygienic Work Practices: Wash hands af ter use. Do not eat, dr ink or smoke in immediate area.

9. Physical and chemical properties

www.rxmarine.com

Boiling Point: 212°F
Specific Gravity (H2O=1): 1.05
Vapor Pressure: PSIG @ 70°F
N/A

(Aerosols):

Vapor Pressure (Non-Aerosols)(mm Hg N/A

and Temperature):

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

www.rxmarine.com

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

www.rxmarine.com

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 Skin, eye, mucous membrane irritation.

Aggravated by Exposure:

......

12. Ecological information

www.rxmarine.com

13. Disposal considerations

www.rxmarine.com

14. Transport information

www.rxmarine.com

15. Regulatory information

www.rxmarine.com

16. Other information

www.rxmarine.com

DISCLAIMER OF LIABILITY: The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.