

1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-40-4051-025
Trade Name Redkleen RX 400 Radiator Flush & Cleaner

Company Details:

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

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

Phone +91 22 27815540 / 41 / 42
Fax +91 22 2781 1318 ::::AOH :0091 9821214367
Email mail@rxmarine.com

2. Composition / Information on ingredients

www.rxmarine.com

Proprietary Blend Of Alkaline Surfactant ingredient.

3. Hazards Identification

www.rxmarine.com

POTENTIAL HEALTH EFFECTS:

INHALATION:	Inhalation of vapor or mist is corrosive to respiratory tract. Symptoms include coughing, wheezing, laryngitis, shortness of breath, headache, nausea, and vomiting.
EYE CONTACT	Liquid , irritating to eyes. Immediate irritation followed by destruction of tissue
SKIN CONTACT	Use gloves. Dont directly on naked skin
INGESTION:	moderately toxic, causes nausea, vomiting, loss of consciousness
CHRONIC Effects	Damage to kidneys and liver .Changes in bones or joints

4. First Aid Measures

www.rxmarine.com

INHALATION:	Ensure the victim's clothing or skin has not been contaminated by the product. Remove the victim to fresh air. If breathing has stopped, begin artificial respiration. Call ambulance immediately for assistance
EYE CONTACT:	Flush eyes with water for 15 minutes with copious cool flowing water. If the victim is affected, be careful not to flush contaminated water into the other eye. Do not use the head in the direction of the affected eye while flushing. Take the victim to a medical facility immediately, and apply ice water compress during transport.
SKIN CONTACT:	Move the victim immediately under an emergency shower or other water facility. Flush the affected area with large amounts of cool running water. Washing off the acid is of primary importance. Remove all contaminated clothing while flushing with water. If there is a large area of exposure, arrange for medical assistance while the victim is being rinsed with water. Immediately after flushing with water, begin massaging calcium gluconate gel into the burn area. Apply the gel every 15 minutes and massage until pain/redness resolves or until medical assistance is available. The first aider should wear gloves when applying the gel to prevent transfer of the acid.
INGESTION:	Do not induce vomiting. Rinse mouth out with water. Call an ambulance for assistance

5. Fire-fighting Measures

www.rxmarine.com

FLASHPOINT (TEST METHOD):	None
FLAMMABLE LIMITS:	
LOWER:	NA
UPPER:	NA
GENERAL HAZARD:	NA
FIRE FIGHTING INSTRUCTIONS: .	Approach fire from upwind side. Avoid breathing smoke, fumes, mist, or vapors on the downwind side. Firefighters wear protective clothing and self-contained breathing apparatus
EXTINGUISHING MEDIA:	Dry powder, carbon dioxide (CO ₂), water fog or spray
HAZARDOUS COMBUSTION PRODUCTS: .	Smoke, irritating vapors, toxic fumes of PO _x , and corrosive F fumes, CO, CO ₂

6. Accidental Release Measures

www.rxmarine.com

LAND SPILL: Emergency response coordinator must have mandated training. Eliminate all ignition sources.

SMALL SPILLS: Pick up with absorbent materials and place in non-leaking containers; seal tightly for proper disposal or reuse.

LARGE SPILLS: Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak if safe to do so.

Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels.

WATER SPILL: Notify proper authorities.

Clean up leaks/spills immediately to prevent soil or water contamination.

7. Handling and Storage

www.rxmarine.com

HANDLING: Avoid contact with skin, eyes, and clothing. After handling this product, wash hands before eating, drinking or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown in section IV. Launder contaminated clothing before reuse.

STORAGE: Store away from food stuffs, alkaline materials

8. Exposure controls and personal protection

www.rxmarine.com

PERSONAL PROTECTION: If TLV is exceeded wear NIOSH approved respirator. Use heavy rubber type gloves, full-face shield and boots, aprons, drench showers, eye wash as needed for protection against spills and/or splashes

9. Physical and chemical properties

www.rxmarine.com

Appearance	:	Liquid
Colour	:	Clear, Brown
Odour	:	Odourless
pH	:	Alkaline
Flash point	:	Not flammable
Boiling Point		109 °C
Freezing point		NA

Solubility in Water		Soluble in any ratio	
---------------------	--	----------------------	--

10. Stability and reactivity

www.rxmarine.com

STABILITY:	Stable
CONDITIONS TO AVOID:	High temperatures
MATERIALS TO AVOID:	Acidic materials may react with metals to produce gas.
HAZARDOUS DECOMPOSITION PRODUCTS:	Corrosive F fumes, toxic POx fumes, from combustion -smoke, CO, CO2
HAZARDOUS POLYMERIZATION:	Will not occur

11. Toxicological information

www.rxmarine.com

Phospho LDLo: 220 mg/kg (unr - man)

LD50: 1530 mg/kg (oral - rat)

LD50: 2740 mg/kg (skin - rat)

HF LCLo: 50 ppm / 30 M (inh - human)

LC50: 966 ppm / 1 hr (inh - rat)

TCLo: 100 mg/m3 (inh - human) NOSE,EYE, PUL

12. Ecological information

www.rxmarine.com

Harmful to aquatic life in high concentrations

Phospho 138 ppm / 24 hr / mosquito fish / TLm / fresh water

HF 60 ppm / fish / lethal / fresh water

13. Disposal considerations

www.rxmarine.com

Dispose as hazardous waste. Classification and documentation is required before disposal. Follow all local, state and federal regulations

14. Transport information

www.rxmarine.com

Transport of dangerous goods by road , rail and inland waterway (ADR/RID/ADN)

UN	Number	None
Proper shipping name		Redkleen RX 400 Radiator Flush & Cleaner
Particulars in the transport document		Unrestricted, Not Classified as Dangerous Goods
Class		None
Packing group		None

International Maritime Dangerous Goods Code (IMDG)

UN	Number	None
Proper shipping name		Redkleen RX 400 Radiator Flush & Cleaner
Particulars in the transport document		Unrestricted, Not Classified as Dangerous Goods
Class		None
Packing group		None

International Civil Aviation Organization (ICAO-IATA/DGR)

UN	Number	None
----	--------	------

Proper shipping name	Redkleen RX 400 Radiator Flush & Cleaner
Particulars in the transport document	Unrestricted, Not Classified as Dangerous Goods
Class	None
Packing group	None

15. Regulatory information

www.rxmarine.com

TSCA (Toxic Substance Control Act): Components of this product are listed on the TSCA Inventory.

CERCLA (Comprehensive Environmental Response, Compensation and Liability Act): Silcate
Contact local authorities for other reporting requirements.

CALIFORNIA PROPOSITION 65: Not listed.

16. Other information

www.rxmarine.com

State Right-to-Know Programs: MA, NJ, PA

NFPA Ratings

Health: 4

Flammability: 0

Reactivity: 1

HMIS Protective Equipment: X See your supervisor.

Other Information

The information above is believed to be accurate and is available to us. However, we make no warranty of accuracy, implied, with respect to such information, and we advise you should make their own investigations to determine the product for particular purposes. In no event shall be liable for any damages, for lost profits or any special, indirect, incidental, or consequential damages arising, even if **Rx Marine International** has been advised of the possibility of such damages.

DISCLAIMER OF LIABILITY :The information in this MSDS is believed to be reliable. However, the information is provided for informational purposes only and is not intended to be used for anything other than the purposes for which it was developed. The conditions or methods of use are beyond our control and may be beyond our knowledge. We assume responsibility and expressly disclaim liability for any damages, in any way connected with the handling, storage, use or misuse of this product and is to be used only for this product. If the product is used for any other purpose, the MSDS information may not be applicable.