

# Descalex Polymer Heat Exchanger

Part No. RXSOL-11-1048-050 — Generated 09 Oct 2026

## 1. Product and Company Identification

|              |                                                                          |
|--------------|--------------------------------------------------------------------------|
| Product Name | Descalex Polymer Liquid ( Boiler - Heat Exchanger )<br>RXSOL-40-1048-025 |
| Product Type | DESCALING LIQUID                                                         |

### Company Details:

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

**Stock Point : Mumbai, Kandla, Chennai, Kolkata, Fujairah, Muscat Barka, Visakhapatnam, CANADA**

|         |                                                        |
|---------|--------------------------------------------------------|
| Phone   | +91 22 20871200 - 1400                                 |
| Fax     | +91 22 27612100:::AOH :0091 9821214367                 |
| Email   | <a href="mailto:123@rxmarine.com">123@rxmarine.com</a> |
| Website | <a href="http://www.rxmarine.com">www.rxmarine.com</a> |

## 2. Composition / information on ingredients

| Chemical Name               | Concentration                                       | CAS Number | EC Number | R Phrases* | Symbols |
|-----------------------------|-----------------------------------------------------|------------|-----------|------------|---------|
| Ethanoic Acid (Acetic Acid) | 20-40                                               | 64-19-07   | 200-580-7 | 35, 10     | C       |
| Corrosion Inhibitor         | 2-5                                                 | NA         | NA        | NA         |         |
| Polymeric Combination       | 35-40                                               |            |           |            |         |
| Oxalo compound              | 6-8% for extra cleaning of scale and rust prevntion |            |           |            |         |
| Citric Acid                 | 5-7%                                                |            |           |            |         |

\*See Section 16

## 3. Hazards Identification



**Corrosive**

|                   |                                       |
|-------------------|---------------------------------------|
| Odour             | Strong pungent smell                  |
| Appearance        | Liquid, pale yellow, soluble in water |
| Contact with eyes | Can cause damage to the eyes          |

|                   |                                                                         |
|-------------------|-------------------------------------------------------------------------|
| Contact with skin | Prolonged skin or eye contact may cause chemical burns                  |
| Inhalation        | Causes severe irritation, May cause breathing difficulty                |
| Ingestion         | Not regarded as a potential route of exposure.,Causes burning sensation |

## 4. First Aid Measures

|                   |                                                                                                                                                                                                                                                |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contact with skin | Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with soap and water When in doubt or symptoms persist, seek medical attention. Contaminated clothing should be laundered before reuse        |
| Contact with eyes | If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes. Irrigate eyes thoroughly whilst lifting eyelids Seek. immediate medical attention. Continue flushing with water until medical help arrives. |
| Ingestion         | Never make an unconscious person vomit or drink fluids Give plenty of water to drink Do not induce vomiting Seek immediate medical attention                                                                                                   |
| Inhalation        | Remove patient to fresh air Keep warm and at rest, in a half upright position. Loosen clothing. When in doubt or symptoms persist, seek medical attention.                                                                                     |
| General           | In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45).                                                                                                                              |

## 5. Fire-fighting Measures

- Non combustible.
- Smoke from fires is corrosive, Hydrogen chloride may be formed.
- Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions.
- Substance evolves toxic fumes, wear self-contained breathing apparatus.
- Use water spray or fog to knock down and absorb corrosive fumes.

## 6. Accidental Release Measures

|                           |                                                                                                                                                     |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal Precautions      | Wear protective clothing as per section 8 Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback. |
| Environmental Precautions | Do not allow to enter public sewers and watercourses.                                                                                               |
| Immediate Actions         | Use appropriate containment to avoid environmental contamination (S57).                                                                             |
| Clean Up Actions          | Absorb spillage in inert material and shovel up Ventilate the area and wash spill site after material pick-up is complete.                          |

|                     |                                                                                                                                                                                                                                              |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Special Precautions | Wear protective clothing as per section 8 Avoid release to the environment. Refer to special instructions/Safety data sheets (S61) Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback. |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## 7. Handling and Storage

|          |                                                                                                                                                                                                                                                      |
|----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling | Avoid contact with skin and eyes (S24/25).Do not breathe vapour/fumes (S23).Eyewash bottles should be available.Wear protective clothing as per section 8.Ensure adequate ventilation.In use, may form flammable/explosive vapour-air mixture (R18). |
| Storage  | Keep only in the original container in a cool, well ventilated place (S3/9/49). Keep in acid store.                                                                                                                                                  |

## 8. Exposure controls and personal protection

|                                |                                                                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Exposure Limits                | TLV (TWA) 20 ppm, 122 mg/m <sup>3</sup> (1,2-Dichlorobenzene).                                                                                                                                                               |
| Exposure controls              | The undiluted product must not be used in a confined space without good ventilation.                                                                                                                                         |
| Occupational exposure controls | Wear approved respirator if exposure likely to exceed MEL/OES Wear goggles giving complete eye protection Wear suitable protective clothing, including eye/face protection and gloves (neoprene or nitrile are recommended). |



Gloves



Suit



Visor

## 9. Physical and chemical properties

|                          |                                       |
|--------------------------|---------------------------------------|
| Odour                    | Strong smell                          |
| Appearance               | Liquid, pale yellow, soluble in water |
| PH                       | 1.5 at 100 % concentration            |
| Boiling point            | ~ 100 °C at 760 mm /Hg                |
| Vapour pressure          | 105.5 at 20 deg C                     |
| Vapour density (air = 1) | 1.15                                  |
| Freezing point~          | 30 °C at 760 mm/Hg                    |

Completely soluble in water

Specific gravity (water=1) 1.16

Non combustible

## 10. Stability and reactivity

- This article is considered stable under normal conditions, May cause rubber to swell
- Avoid overheating
- Incompatible with strong oxidizing substances, Contact with alkaline earth metals may form explosive gases, Contact with alkali metals may form explosive gases
- See Section 5

## 11. Toxicological information

Contact with skin In cases of severe exposure, redness and irritation may develop

Contact with eyes Causes irritation

Ingestion May cause gastro-intestinal disturbances

Carcinogenicity No evidence of carcinogenic effects

## 12. Ecological information

Ecotoxicity This product does not contain ingredients which are classified in the EU as dangerous for the environment.

Mobility Completely soluble in water .

Persistence and Biodegradability Its main ingredients will either dissolve rapidly and dissociate in water or are readily/inherently biodegradable.

Bioaccumulation Potential Bioaccumulation of the components in this product is insignificant. Other Adverse Effects  
No environmental problems are expected when the product is used / handled correctly.

## 13. Disposal considerations

Classification This material and/or its container must be disposed of as hazardous waste EU Waste class  
Disposal considerations Do not discharge into drains or the environment, dispose to an authorised waste collection point Disposal should be in accordance with local, state or national legislation.

## 14. Transport information

Proper Shipping Name:

UN

|                       |                        |              |    |
|-----------------------|------------------------|--------------|----|
| Proper Shipping Name: | Ethanoic Acid solution |              |    |
| UN NO.                | 2789                   |              |    |
| Hazard Class          | 8                      | PackingGroup | II |

Road/Rail(ADR/RID)

|                      |                        |          |             |
|----------------------|------------------------|----------|-------------|
| Proper Shipping Name | Ethanoic Acid solution |          |             |
| ADR UN No.           | 2789                   |          |             |
| ADRHazardClass       | 8                      | Tremcard | 80GC1789-II |

Sear (IMDG)

|                      |               |                  |     |
|----------------------|---------------|------------------|-----|
| Proper Shipping Name | Ethanoic Acid |                  |     |
| IMDG UN No.          | 2789          |                  |     |
| IMDG Hazard Class    | 8             | IMDG PackGroup.: | II  |
| IMDG EmS             | F-A, S-B      | IMDG subrisk     | N/A |
| IMDG Labels          | 8             | IMDG Flashpoint: | N/A |

Air(ICA0/IATA)

|                    |               |                   |       |
|--------------------|---------------|-------------------|-------|
| ProperShippingName | Ethanoic Acid |                   |       |
| IMDG UNNo          | 2789          |                   |       |
| IMDG HazardClass   | 8             | ICA0 PackingGroup | II    |
| ICA0 subrisk       | N/A           | ICA0 Labels:      | 8+CA0 |
| ICA0 Flashpoint    | N/A           |                   |       |

DOT/ CFR(USDepartment ofTransportation

|                       |               |
|-----------------------|---------------|
| DOTProperShippingName | Ethanoic Acid |
|-----------------------|---------------|

|                   |               |                       |        |
|-------------------|---------------|-----------------------|--------|
| HazardousMaterial | Ethanoic Acid |                       |        |
| HazardClass       | 8             | IdentificationNumber: | UN2789 |
| Product RQ (lbs)  | N/E           | DOTsubrisk:           | N/A    |
| DOTLabels         | 8             | DOTFlashpoint:        | N/A    |

- Not classified as hazardous for transport