

# Corrosion Inhibitor for Citric Acid

Part No. RXSOL-45-1503-005 — Generated 10 Oct 2026

## 1. Product and Company Identification

Product Name           RXSOL-45-1503-005  
Product Type           Citric Acid Corrosion Inhibitor

### Supplier Details:

RX MARINE INTERNATIONAL  
105, A wing , BSEL , TECH PARK.  
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## 2. Composition / informationon ingredients

| Chemical Name                               | CAS Number  | %       |
|---------------------------------------------|-------------|---------|
| Complex substitute Keto-Amine-Hydrochloride | Proprietary | 10 - 30 |
| 2 - Propanol                                | 67-63-0     | 10 - 30 |
| Alkylphenol ethoxylate                      | Proprietary | 5 - 10  |
| Propargyl alcohol                           | 107-19-7    | 5 - 10  |
| Butenone                                    | 78-94-4     | 1 - 5   |
| Acetone                                     | 67-64-1     | 1 - 5   |
| Acetophenone                                | 98-86-2     | 0.1 - 1 |
| Diethyl Thio UREA                           | 27598-95-4  | 5.0%    |
| Propylene Glycol                            | 57-55-6     | 1.0%    |
| HEXAMINE                                    | 100-97-0    | 1.0%    |
| Disodium COCOampho Dipropionate             | 68604-71-7  | 20%     |
| DTPMPA                                      | .....       | 10%     |
| HEDP                                        |             | 10%     |

### 3. Hazards Identification

|                   |                                                                                                                                                                                                                                                          |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Odour             | solvent                                                                                                                                                                                                                                                  |
| Appearance        | Brown                                                                                                                                                                                                                                                    |
| Contact with eyes | Contact can cause moderate to severe irritation and possible injury to the eyes. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.                                                                                          |
| Contact with skin | corrosive to the skin contact with the skin or mucous membranes may cause severe irritation and burn this product contain component that cause allergic damage including                                                                                 |
| Inhalation        | This product is irritating to the respiratory system. Repeated inhalation may be harmful lung irritation and serious central nervous system disorders may result. Excessive inhalation of this can cause headache, dizziness, nausea and incoordination. |
| Ingestion         | Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. May be harmful or fatal if swallowed.                                                                                                                                    |

### 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 Seek medical advice if necessary                                                                               |
| Contact with eyes | If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes .Obtain immediate medical attention Ingestion, Never give anything by mouth to an unconscious person Give plenty of water to drink |
| Ingestion         | Get immediate medical attention. Do not induce vomiting.                                                                                                                                                                             |
| Inhalation        | If mist or vapor of this product is inhaled, remove person immediately to fresh air. Seek medical attention if symptoms develop or persist.                                                                                          |

### 5. Fire-fighting Measures

FlashPoint: 680 F(200 c) Tagliague closed cup

|                                       |                                                                                                                                                                         |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Autoignition tempreture:              | Not determined                                                                                                                                                          |
| Flammabble/Explosive limits - lower : | Not determined                                                                                                                                                          |
| Flammabble/Explosive limits - upper : | Not determined                                                                                                                                                          |
| Extinguishing media :                 | Foam, Dry chemical or carbon dioxide. Water may be an ineffective extinguishing medium . In case of fire keep containers cool with water spray.                         |
| Speacial firefighting procedures :    | Wear full protective clothing . Wear self - contained breathing apparatus.                                                                                              |
| Unusual fire or explosion hazards :   | Fire and Explosion hazards are DANGEROUS when this material is exposed to heat or flame . Vapors are heavier than air and may travel along floor to an ignition source. |
| Hazardous combustion products :       | Irritation and toxic gases or fumes may be released during a fire.                                                                                                      |
| Sensitive to Mechanical impact:       | Not available                                                                                                                                                           |
| Sensitive to static discharge :       | Not available                                                                                                                                                           |

## 6. Accidental Release Measures

|                            |                                                                                                                                                                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal Precautions       | Wear protective clothing as per section 8                                                                                                                                                                                                      |
| Environmental Precautions: | Ventilate area. Pervent further leakage or spillage if safe to do so. Eliminate all source of ignition flammables that may come into contact with a spill of this material. Wear appropriate protective equipme and clothing during clean- up. |
| Clean Up methods:          | Absorb Spill with inert material. Shovel material into appropriate container for disposal. Dispose of accordi to Federal, State and local government regulations.                                                                              |

## 7. Handling and Storage

|          |                                                                                                                                                                                                                                           |
|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling | Avoid contact with eyes. Avoid contact with skin and clothing. Wash thoroughly after handling . Avoid breathing vapors or mists of this product . Do not take internally. For industrial use only . keep away from heat, spark and flame. |
| Storage  | For safe storage , store between 00F (-17.8OC) and 120O F (48.9OC) keep container tightly closed and in cool, well- ventilated place away from incompatible materials. Remove all Source of iginition.                                    |

## 8. Exposure controls and personal protection

|                          |                                                                                                                                                                      |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering controls:    | Use general ventilation and local exhaust, where possible, in confined or enclosed spaces.                                                                           |
| Respiratory protection : | If ventilation is not sufficient to effectively prevent buildup of aerosols, mists or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.        |
| Eye/face protection:     | Wear chemical goggles; face shield (if splashing is possible).                                                                                                       |
| Skin protection :        | Chemical resistant, impermeable gloves . Gloves should be tested to determine suitability for prolonged contact . use of impervious apron and boots are recommended. |

## 9. Physical and chemical properties

|                                         |                                    |
|-----------------------------------------|------------------------------------|
| Physical state                          | Liquid                             |
| color                                   | Brown                              |
| Odour                                   | solvent                            |
| Odour threshold                         | Not available                      |
| pH                                      | 2                                  |
| Vapor pressure                          | Not determined                     |
| Boiling point/range                     | >82.2 °C (> 108OC)                 |
| Melting point/ range                    | -200F (-28.9OC)                    |
| Specific gravity                        | 1.02 - 1.05 at 60OF (15.56OC)      |
| Vapor density                           | Not determined                     |
| Flash point                             | 68OF ( 20OC) Tangliabue closed cup |
| Flammable / Explosive limits - lower    | Not determined                     |
| Flammable / Explosive limits - upper    | Not determined                     |
| Autoignition temperture                 | Not determined                     |
| Evaporation rate                        | Not determined                     |
| Solubility in water                     | Appreciable                        |
| Partition coefficient (n-octanol/water) | Not determined                     |
| VOC content                             | 27.2% EPA Method 24                |

## 10. Stability and reactivity

|                                                                    |                                                                                                                                 |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>                                                   | - stable at normal conditions                                                                                                   |
| <b>Hazardous reactions</b>                                         | - Will not occur.                                                                                                               |
| <b>Hazardous decomposition products</b><br>ammonia ,carbon dioxide | - Upon decomposition, this product may yield oxides of nitrogen and carbonmonoxide and other low molecular weight hydrocarbons. |
| <b>Incompable materials</b><br>strong oxidizing and strong         | - This product may react with strong alkalies. Keep separate from reducing agents . Do not mix with chlorides.                  |
| <b>Conditions to Avoids</b>                                        | - Keep away from heat, ignition source and incompatible materials.                                                              |

## 11. Toxicological information

|                           |                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Toxicological information | No experimental data available Inhalation.<br>Vapours or aerosols may cause irritation of Eyes, Nose and Respiratory tract. |
| 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

Ecological information: Harmful to aquatic organisms .

## 13. Disposal considerations

Recommended methods of disposal: Dispose of according to Federal, state and local gov

## 14. Transport information

### canada transportation of dangerous goods ground

|                          |                         |
|--------------------------|-------------------------|
| proper shipping name     | liquid corrosive N.O.S. |
| hazard class or division | 3(8)                    |

|                       |        |
|-----------------------|--------|
| identification number | UN2924 |
|-----------------------|--------|

|               |    |
|---------------|----|
| packing group | II |
|---------------|----|

#### **international air transportation**

|                      |                        |
|----------------------|------------------------|
| proper shipping name | liquid crossive n.o.s. |
|----------------------|------------------------|

|                          |      |
|--------------------------|------|
| hazard class or division | 3(8) |
|--------------------------|------|

|                       |        |
|-----------------------|--------|
| identification number | UN2924 |
|-----------------------|--------|

|               |    |
|---------------|----|
| packing group | II |
|---------------|----|

#### **water transportation**

|                      |                        |
|----------------------|------------------------|
| proper shipping name | liquid crossive n.o.s. |
|----------------------|------------------------|

|                          |      |
|--------------------------|------|
| hazard class or division | 3(8) |
|--------------------------|------|

|                       |        |
|-----------------------|--------|
| identification number | UN2924 |
|-----------------------|--------|

|               |    |
|---------------|----|
| packing group | II |
|---------------|----|

## **15. Regulatory information**

### **Canada regulatory information**

#### **CEPA DSL NDSL**

domestic substance list.

All components are listed on or are exempt from listing on the canadian

### **United states regulatory information**

#### **TSCA 8 (B) Inventory status**

substance control act inventory

All components are listed on or are exempt from listing on the Toxic

## **16. Other information**

Text of R and S phrase codes used in this safety data sheet:- R34: Causes burns; R36: Irritating to eyes; R37: Irritating to respiratory system; R41: Risk of serious damage to eyes. The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications - usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer

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