



# RXSOL

VARANASI CHEMICAL | RX MARINE INTERNATIONAL

**RXSOL-10-3247-025**

RXSOL ORG CAK 2465

## Material Safety Data Sheet (MSDS)

### 1. Product and Company Identification

[www.rxmarine.com](http://www.rxmarine.com)

|              |                    |
|--------------|--------------------|
| Product Name | RXSOL ORG CAK 2465 |
| Part Number  | RXSOL-10-3247-025  |

Company Details:....

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

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN , CANADA and KENYA

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

### 2. Composition / Information on ingredients

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Substances

| Hazardous Component(s)            | CAS Number  | Percentage |
|-----------------------------------|-------------|------------|
| Sodium hydroxide                  | 1310-73-2   | 10 - 30    |
| Sodium metasilicate               | 6834-92-0   | 10 - 30    |
| Sodium phosphate, tribasic        | 7558-79-4   | 10 - 30    |
| Surfactant                        | Proprietary | 1 - 5      |
| Diethylene glycol monobutyl ether | 112-34-5    | 1 - 5      |

Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

### 3. Hazards Identification

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#### Precautionary Statements

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Prevention | Keep only in original container. Do not breathe dust or fumes. Wash thoroughly after handling. Wear protective gloves, eye protection, and face protection.                                                                                                                                                                                                                                                                                                                          |
| Response   | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to remove. Continue rinsing. Immediately call a poison control center or physician. Wash contaminated clothing before reuse. Absorb spillage to prevent material damage. |
| Storage    | Store locked up. Store in corrosive resistant container with a resistant inner liner.                                                                                                                                                                                                                                                                                                                                                                                                |
| Disposal   | Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.                                                                                                                                                                                                                                                                                                                                                                      |

#### 4. First Aid Measures

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|                    |                                                                                                                                                                                                                              |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation         | If inhaled, immediately remove the affected person to fresh air. If symptoms develop and persist, get medical attention.                                                                                                     |
| Skin contact       | Remove contaminated clothing and footwear. For skin contact, flush with large amounts of water. Seek immediate medical attention.                                                                                            |
| Eye contact        | In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.                                                                                               |
| Ingestion          | Get medical attention. DO NOT induce vomiting unless directed to do so by medical personnel. Give one to two glasses of water or milk. Never give anything by mouth to a victim who is unconscious or is having convulsions. |
| Symptoms           | See Section 11.                                                                                                                                                                                                              |
| Notes to physician | This material, if aspirated into the lungs, may cause chemical pneumonitis; treat the affected person appropriately.                                                                                                         |

#### 5. Fire-fighting Measures

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|                                   |                                                                        |
|-----------------------------------|------------------------------------------------------------------------|
| Extinguishing media               | Use media appropriate for surrounding material.                        |
| Special firefighting procedures   | Wear full protective clothing. Wear self-contained breathing apparatus |
| Unusual fire or explosion hazards | Not a fire hazard.                                                     |
| Hazardous combustion products     | Irritating and toxic gases or fumes may be released during a fire.     |

#### 6. Accidental Release Measures

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**Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.**

|                           |                                                                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Wear appropriate personal protective equipment. Do not allow product to enter sewer or waterways. |
| Clean-up methods          | Sweep up or gather material and place in appropriate container for disposal. Dispose of according to Federal, State and local governmental regulations. |

#### 7. Handling and Storage

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|          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling | Avoid contact with eyes, skin and clothing. Considerable heat is generated when water or acid is added, therefore when making solutions always add the caustic to the water or acid with constant stirring. If caustic substance or solution becomes concentrated in one area, or if added too rapidly or if added to hot or cold water a rapid temperature increase can result in dangerous boiling water and/or splashing or may cause immediate violent eruption. Wash thoroughly after handling. Do not breathe dust. For industrial use only. Provide adequate ventilation. |
| Storage  | Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## 8. Exposure controls and personal protection

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**Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.**

| Hazardous Component(s)            | ACGIH TLV                                   | OSHA PEL    | AIHA WEEL | OTHER                     |
|-----------------------------------|---------------------------------------------|-------------|-----------|---------------------------|
| Sodium hydroxide                  | 2 mg/m3 Ceiling                             | 2 mg/m3 PEL | None      | None                      |
| Sodium metasilicate               | None                                        | None        | None      | None                      |
| Sodium phosphate, dibasic         | None                                        | None        | None      | None                      |
| Surfactant                        | None                                        | None        | None      | None                      |
| Diethylene glycol monobutyl ether | 10 ppm TWA<br>Inhalable fraction and vapor. | None        | None      | 50 ppm TWA<br>75 ppm STEL |

|                        |                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Engineering controls   | Ventilation should effectively remove and prevent buildup of any dust generated from the handling of this product.                                                 |
| Respiratory protection | If ventilation is not sufficient to effectively prevent buildup of dust, appropriate NIOSH/MSHA respiratory protection must be provided.                           |
| Eye/face protection    | Wear chemical goggles or a full face shield.                                                                                                                       |
| 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

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|                      |                    |
|----------------------|--------------------|
| Physical state       | Powder             |
| Colour               | Tan                |
| Odor                 | Mild surfactant    |
| Odor threshold       | Not available.     |
| pH                   | 12.9 (1% solution) |
| Vapor pressure       | Not applicable     |
| Boiling point/range  | Not applicable     |
| Melting point/ range | Not determined     |
| Specific gravity     | 1.03               |
| Vapor density        | Not applicable     |
| Flash point          | Not applicable     |

|                                         |                |
|-----------------------------------------|----------------|
| Flammable/Explosive limits - lower      | Not available. |
| Flammable/Explosive limits - upper      | Not available. |
| Autoignition temperature                | Not applicable |
| Flammability                            | Not applicable |
| Evaporation rate                        | Not determined |
| Solubility in water                     | Appreciable    |
| Partition coefficient (n-octanol/water) | Not determined |
| VOC content                             | Not applicable |
| Viscosity                               | Not available. |
| Decomposition temperature               | Not available. |

## 10. Stability and reactivity

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|                                  |                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------|
| Stability                        | Stable at normal conditions                                                                                      |
| Hazardous reactions              | Will not occur.                                                                                                  |
| Hazardous decomposition products | Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. |
| Incompatible materials           | This product may react with strong acids or oxidizing agents.                                                    |
| Reactivity                       | Not available.                                                                                                   |
| Conditions to avoid              | Store away from incompatible materials.                                                                          |

## 11. Toxicological information

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|                                   |                                                                                                                  |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------|
| Relevant routes of exposure       | Skin, Inhalation, Eyes                                                                                           |
| Potential Health Effects/Symptoms |                                                                                                                  |
| Inhalation                        | Mists, vapors or liquid may cause severe irritation or burns.                                                    |
| Skin contact                      | Corrosive to the skin. Contact with the skin or mucous membranes may cause severe irritation and burns.          |
| Eye contact                       | This product is severely irritating to the eyes and may cause irreversible damage including burns and blindness. |
| Ingestion                         | This product may produce corrosive damage to the gastrointestinal tract if it is swallowed.                      |

| Hazardous Component(s)    | LD50s and LC50s               | Immediate and Delayed Health Effects |
|---------------------------|-------------------------------|--------------------------------------|
| Sodium hydroxide          | None                          | Irritant, Corrosive, Eyes            |
| Sodium metasilicate       | Oral LD50 (RAT) = 1,280 mg/kg | Irritant, Corrosive, Eyes            |
| Sodium phosphate, dibasic | Oral LD50 (RAT) = 17 g/kg     | Irritant, Corrosive                  |
| Surfactant                | None                          | No Records                           |

|                                   |                                                                                                                                                                                                                                                                                   |                                                 |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| Diethylene glycol monobutyl ether | Oral LD50 (RABBIT) = 2,200 mg/kg<br>Oral LD50 (RAT) = 4,500 mg/kg<br>Oral LD50 (RAT) = 5,660 mg/kg<br>Oral LD50 (RAT) = 7,292 mg/kg<br>Oral LD50 (RAT) = 6,600 mg/kg<br>Oral LD50 (RAT) = 6,560 mg/kg<br>Dermal LD50 (RABBIT) = 2,700 mg/kg<br>Dermal LD50 (RABBIT) = 4,120 mg/kg | Blood, Central nervous system, Irritant, Kidney |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|

| Hazardous Component(s)            | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|-----------------------------------|----------------|-----------------|------------------------------------------|
| Sodium hydroxide                  | No             | No              | No                                       |
| Sodium metasilicate               | No             | No              | No                                       |
| Sodium phosphate, dibasic         | No             | No              | No                                       |
| Surfactant                        | No             | No              | No                                       |
| Diethylene glycol monobutyl ether | No             | No              | No                                       |

## 12. Ecological information

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|                        |                    |
|------------------------|--------------------|
| Ecological information | No data available. |
|------------------------|--------------------|

## 13. Disposal considerations

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### Information provided is for unused product only

|                                |                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recommended method of disposal | Follow all local, state, federal and provincial regulations for disposal. This product contains a chelating agent. This chemical contains phosphates. |
| Hazardous waste number         | Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA.                                                            |

## 14. Transport information

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| U.S. Department of Transportation Ground (49 CFR) |                                                                                                         |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Proper shipping name                              | Proper shipping name: Corrosive solid, basic, inorganic, n.o.s. (Sodium hydroxide, Sodium metasilicate) |
| Hazard class or division                          | 8                                                                                                       |
| Identification number                             | UN 3262                                                                                                 |
| Packing group                                     | II                                                                                                      |
| DOT Hazardous Substance(s)                        | Sodium hydroxide, Sodium phosphate, dibasic                                                             |
| International Air Transportation (ICAO/IATA)      |                                                                                                         |
| Proper shipping name                              | Proper shipping name: Corrosive solid, basic, inorganic, n.o.s. (Sodium hydroxide, Sodium metasilicate) |
| Hazard class or division                          | 8                                                                                                       |

|                                        |                                                                                   |
|----------------------------------------|-----------------------------------------------------------------------------------|
| Identification number                  | UN 3262                                                                           |
| Packing group                          | II                                                                                |
| <b>Water Transportation (IMO/IMDG)</b> |                                                                                   |
| Proper shipping name                   | CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide, Sodium metasilicate) |
| Hazard class or division               | 8                                                                                 |
| Identification number                  | UN 3262                                                                           |
| Packing group                          | II                                                                                |

## 15. Regulatory information

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### United States Regulatory Information

|                                 |                                                                                                                                                                                                                                     |
|---------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| TSCA 8 (b) Inventory Status     | All components are listed as active or are exempt from listing on the Toxic Substances Control Act (TSCA) inventory.                                                                                                                |
| TSCA 12 (b) Export Notification | None above reporting de minimis<br>None above reporting de minimis                                                                                                                                                                  |
| CERCLA/SARA Section 302 EHS     | None above reporting de minimis                                                                                                                                                                                                     |
| CERCLA/SARA Section 311/312     | Immediate Health, Delayed Health                                                                                                                                                                                                    |
| CERCLA/SARA Section 313         | This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Nonylphenol ethoxylate (CAS# 127087-87-0). |
| CERCLA Reportable quantity      | Sodium phosphate, dibasic (CAS# 7558-79-4) 5,000 lbs. (2,270 kg)                                                                                                                                                                    |
| California Proposition 65       | This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. This product contains a chemical known in the State of California to cause cancer.                             |
| Canada Regulatory Information   |                                                                                                                                                                                                                                     |
| CEPA DSL/NDSL Status            | All components are listed on or are exempt from listing on the Canadian Domestic Substances List.                                                                                                                                   |

## 16. Other information

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|                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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