Material Safety Data Sheet

RXSOL ORG CAK 2465 (RXSOL-10-3247-025)

1. Product and Company Identifaction

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

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2. Composition / informationon ingredients

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

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

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

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

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

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

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 Inhalable fraction and vapor.	None	None	50 ppm TWA 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

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

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

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 Oral LD50 (RAT) = 4,500 mg/kg Oral LD50 (RAT) = 5,660 mg/kg Oral LD50 (RAT) = 7,292 mg/kg Oral LD50 (RAT) = 6,600 mg/kg Oral LD50 (RAT) = 6,560 mg/kg Dermal LD50 (RABBIT) = 2,700 mg/kg 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

Ecological information	No data available.

13. Disposal considerations

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

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
Water Transportation (IMO/IMDG)	
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

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 minimisNone above reporting de minimis 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

Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and weassume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages. 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.