# Material Safety Data Sheet

**RXSOL ORG - 17 OXYGEN GENERATOR CHEMICAL** (RXSOL-16-1671-025)

## 1. Product and Company Identifaction

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|---|---|
| Product Name | RXSOL-16-1671-025 |
| Product Type | RXSOL ORG -17 OXYGEN GENERATOR CHEMICAL |

**Company Details:**

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

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

| | |
|---|---|
| Phone | +91 22 65113333 / 5555 / 9999 |
| Fax | +91 22 2781 1318 :::AOH :0091 9821214367 |
| Email | support@rxmarine.info |

## 2. Composition / informationon ingredients

| Ingredients | CAS No. | % by weight | Hazardous Symbol |
|---|---|---|---|
| Sodium chlorate | 7775-09-9 | 95 | 0, Xn, N |
| Disodium peroxide | 1313 60 6 | 10 | 0,0 |
| Disodium oxide | 1313-59-3 | 5 | |
| Mica | 12001-26-2 | 3 | |
| Magnesium | 7439-95-4 | 1 | |
| Sodium perchlorate | 7601-89-0 | 2 | 0, Xn |

## 3. Hazards Identification

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|---|---|
| EYES | Causes burns. |
| SKIN | Causes burns. Irritation to skin. May cause rash. |
| INHALATION | Causes burns, and may cause irritation to the mucous membranes, throat and nose. |
| INGESTION | After ingestion irritations of mucous membranes in the mouth, pharynx, oesophagus, and gastrointestinal tract. Risk of perforation in the oesophagus and stomach. Sodium chlorate is toxic if ingested. |

## 4. First Aid Measures

(applicable in case of direct contact with the chemicals of the oxygen generator)

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|---|---|
| Skin | Wash off with plenty of water. Dab with polyethylene glycol 400. Immediately remove contaminated clothing. Get medical attention if irritation oc |
| Eyes | Wash eyes immediately with large amounts of water for about 15 minutes with the eyelid hold wide open. Get immediately medical attention.dev |
| Ingestion | If swallowed: give plenty of water to drink, induce vomiting. Immediately summon doctor. Keep airways free. |
| Inhalation | Remove to fresh air immediately. If breathing has stopped give artificial respiration. If breathing is difficult administer oxygen. Get medical attent |

## 5. Fire-fighting Measures

| | |
|---|---|
| Flash Point | not applicable |
| Flash Point Method | not applicable |
| Flammable Limits | not applicable |
| Autoignition Temperature | not applicable |
| EXTINGUISHING MEDIA | Cover with dry sand or cement. |
| EXTINGUISHING MEDIA NOT TO BE USED | Do NOT use water<br>Do NOT use CO2 or dry extinguishers as they are ineffective and may create worse situation |
| SPECIAL FIRE FIGHTING PROCEDURES | Wear personal protective equipment, and self- contained breathing apparatus. Keep oxygen generators from exposure to high heat. Use protective water spray to keep fire-exposed containers cool. |
| SPECIAL RISKS | Fire-promoting. Oxidizers generate their own oxygen as they burn. Keep away from combustible materials. Danger of explosion |

## 6. Accidental Release Measures

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| SPILL AND LEAK PROCEDURES | Careful take up dry. Clean up affected area. Avoid generation of dusts. Do not inhale dusts. Loose chemicals and components should be carefully placed into a metal container. |

## 7. Handling and Storage

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| Handling | Carefully handling, no shocks and stress. After activation the generator may produce oxygen up to 30 minutes. Warning: High temperature device! During use, generator may reach 260 °C to 315 °C (500- 600 °F) and cause 1st and 2nd degree burns. The discharge of oxygen may support the fire. In case of contact to organic, substances, oil and grease the oxygen may cause explosions. |
| Storage | Store in tight containers, away from heat, and humidity. Keep away from water. Store tightly closed, dry, away from combustible substances. Do not store at temperatures above 100 °C (210 °F). |

## 8. Exposure controls and personal protection

(applicable in case of direct contact with the chemicals of the oxygen generator)

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|---|---|
| EXPOSURE LIMIT VALUES | Mica : 3 mg / m3 (NIOSH) |
| SKIN PROTECTION | Wear protective clothing and impervious gloves (recommended material : 1,2mm-1,4mm PVC) |
| EYES PROTECTION | Wear protective goggles or full-face shield. Contact lenses should not be worn. |
| RESPIRATORY PROTECTION | An approved positive pressure air-supplied respirator is required whenever dusts are generated. |

## 9. Physical and chemical properties

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| Appearance | A compressed, white, chemical core enclosed within a metal canister. |
| PHYSICAL FORM | not applicable |
| COLOUR | not applicable |
| ODOR | not applicable |
| SOLUBILITY IN WATER | not applicable |
| BOILING POINT | Not available. |
| SPECIFIC GRAVITY | Not available. |
| VAPOUR PRESSURE | not applicable |

## 10. Stability and reactivity

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|---|---|
| CONDITIONS TO AVOID | Avoid storing, mixing or contaminating with chemicals, mineral acids, and combustible materials. |
| CHEMICAL STABILITY | Stable |
| HAZARDOUS DECOMPOSITION PRODUCTS | Discharge of oxygen which may support the fire (can include chlorine and chlorine dioxide). |
| POLYMERISATION | not applicable |
| INCOMPATIBILITIES | Avoid acids, water, organic combustible substances, oil, grease. |

## 11. Toxicological information

| | |
|---|---|
| EYES | Causes burns. |
| SKIN | Causes burns. Irritation to skin. May cause rash. |
| INHALATION | Causes burns, and may cause irritation to the mucous membranes, throat and nose. |
| INGESTION | After ingestion irritations of mucous membranes in the mouth, pharynx, oesophagus, and gastrointestinal tract. Risk of perforation in the oesophagus and stomach. Sodium chlorate is toxic if ingested. |

## 12. Ecological information

-No data available.
-Avoid contamination of ground water and waterways.
-Adverse ecological effects cannot be excluded in the event of improper handling or disposal.

## 13. Disposal considerations

Generator must be spent prior to disposal. The spent oxygen generators must be disposed of or incinerate in accordance with Local, State and Federal regulations.

## 14. Transport information

N/A

## 15. Regulatory information

N/A

## 16. Other information

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the users own assessment of workplace risk as required by other health and safety legislation.