

Material Safety Data Sheet

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



1. Product and Company Identification

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.
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2. Composition / information on 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

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)

Skin Wash off with plenty of water. Dab with polyethylene glycol 400. Immediately remove contaminated clothing. Get medical attention if irritation occurs.
Eyes Wash eyes immediately with large amounts of water for about 15 minutes with the eyelid held wide open. Get immediately medical attention.
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 attention.

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 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

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.
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7. Handling and Storage

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)

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

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

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.

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