

Product Name: Degresol Silica Gel

Part No / SKU: RXSOL-16-3741-0253

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Document Type: Material Safety Data Sheet (MSDS)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	DEGRESOL SILICA GEL		
Company Details:			
RX MARINE INTERNATIONAL 105, A wing , BSEL , TECH PARK. VASHI ,NEW BOMBAY 400703 INDIA			
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Component	Silica Gel
CAS-No.	7631-86-9
COMPOSITION COMMENTS:	
Active ingredient: 95-100%.	

3. HAZARDS IDENTIFICATION

CLASSIFICATION : Not Hazardous

4. FIRST AID MEASURES

INHALATION: Move the exposed person to fresh air at once. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. Get medical attention if any discomfort continues.

INGESTION: Rinse mouth thoroughly. Drink plenty of water. Get medical attention if symptoms appear.

SKIN CONTACT: Wash skin thoroughly with soap and water for several minutes. Get medical attention if irritation persists after washing.

EYE CONTACT: Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

The product is non-combustible. Use fire-extinguishing media appropriate for surrounding materials.

PROTECTIVE MEASURES IN FIRE:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of dust.

SPILL CLEAN UP METHODS:

Remove spillage with the vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Avoid the formation of dust. Dampen spillage with water if necessary.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS:

Avoid spilling, skin and eye contact. Avoid inhalation of dust. Do not eat, drink or smoke when using the product.

STORAGE PRECAUTIONS:

Store in tightly closed original container in a dry, cool and well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:	
PROCESS CONDITIONS:	Provide eyewash station.
ENGINEERING MEASURES:	Provide adequate general and local exhaust ventilation.
RESPIRATORY EQUIPMENT:	Wear suitable respiratory protection.
HAND PROTECTION:	Wear protective gloves.
EYE PROTECTION:	No specific eye protection noted, but may be required anyway.
HYGIENE MEASURES:	Wash at the end of each work shift and before eating, smoking and using the toilet.
Information on basic physical and chemical properties:	

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Granules or beads.
COLOUR	Custom : White, Blue, Orange
ODOUR	Odourless
SOLUBILITY	Not soluble in water.
DECOMPOSITION TEMPERATURE (°C)	>1600

10. STABILITY AND REACTIVITY

MATERIALS TO AVOID:

STABILITY: Stable under normal temperature conditions and recommended use.

11. TOXICOLOGICAL INFORMATION

Route of Entry	Inhalation. Ingestion
Toxicity to Animals	WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 4090 mg/kg [Rat]. Acute toxicity of the dust (LC50): 1200 mg/m ³ 2 hours [Mouse].
Chronic Effects on Humans	May cause damage to the following organs: upper respiratory tract, skin, eyes.
Other Toxic Effects on Humans	Hazardous in case of skin contact (irritant), of ingestion, of inhalation (lung irritant).
Special Remarks on Toxicity to Animals	LDL (Lowest Published Lethal Dose) [Man] - Route: Oral; Dose: 714 mg/kg
Special Remarks on Chronic Effects on Humans	May cause adverse reproductive effects based on animal test data
Special Remarks on other Toxic Effects on Humans	Acute Potential Health Effects: Skin: Causes skin irritation with possible burns depending on the concentration, site (abraded or intact skin), and duration of exposure. Eyes: Causes eye irritation and possible burns. Concentrated solutions may cause permanent corneal injury (permanent corneal opacity). Ingestion: Sodium carbonate ingestion may cause irritation of the digestive tract resulting in nausea, vomiting, diarrhea, thirst, abdominal pain depending on concentration and amount ingested. May also affect the cardiovascular system . Inhalation: Dust may cause respiratory tract and mucous membrane irritation with coughing and shortness of breath (dyspnea), pulmonary edema. Chronic Potential Health Effects: Chronic inhalation may result in decreased pulmonary function, nasal congestion, nosebleeds, perforation of the nasal septum. Other effects of chronic exposure are skin (dermatitis and ulceration), and gastrointestinal complaints. However, the effects of chronic exposure seem to be reversible if exposure is decreased.

12. ECOLOGICAL INFORMATION

Toxicity	Toxicity to fish :static test LC50 <i>Lepomis macrochirus</i> (Bluegill sunfish): 300 mg/l; 96 h (ECHA) Toxicity to daphnia and other aquatic invertebrates semi-static test EC50 <i>Ceriodaphnia dubia</i> (water flea): 220 - 227 mg/l; 48 h
Process of degradability	The methods for determining the biological degradability are not applicable to inorganic substances.
Bioaccumulative potential	Partition coefficient: n-octanol/water. Not applicable
Mobility in soil	No Information available.
Results of PBT and vPvB assessment	Substance does not meet the criteria for PBT or vPvB according to Regulation (EC) No 1907/2006, Annex XIII.
Other adverse effects	Discharge into the environment must be avoided.

13. DISPOSAL CONSIDERATIONS

Waste treatment	Waste material must be disposed of in accordance with the national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.
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14. TRANSPORT INFORMATION

DOT Classification	Not a DOT controlled material (United States).
TDG	Not regulated
IATA	Not regulated
IMDG/IMO	No regulated
Identification	Not Applicable
Special Provisions for Transport	Not Applicable

15. REGULATORY INFORMATION

Safety, health and environmental regulations/ legislation specific for the substance or mixture	Authorisations and/or restrictions on use Disodium decahydrate CAS-No.: 1303-96-4 Candidate List of Very High Concern for Authorisation for reproduction Authorisation Toxic for reproduction ED/30/2010 Disodium tetraborate decahydrate CAS-N Candidate List of Substances of Very High Concern fo Toxic for reproduction (article 57c) ED/30/2010
Chemical safety assessment	For this product a chemical safety assessment is not applicable

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