Material Safety Data Sheet

Orange Silica Gel Breather (RXSOL-37-1998-011)

1. Product and Company Identifaction

Product Name	ORANGE SILICA GEL BREATHER
Product Type	RXSOL-37-1998-011

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

STOCK POINT : Mumbai, Kolkata, Kandla, Chennai, Visakhapatnam, Fujairah, Muscat

Phone	+91 22 27815540 / 41 / 42
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2. Composition / informationon ingredients

EC No.	231-545-4
GROSS FORMULA	SiO2
CAS-No.	7631-86-9

COMPOSITION COMMENTS:
Active ingredient: 95-100%.

3. Hazards Identification

CLASSIFICATION

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 and 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.

9. Physical and chemical properties

TECHNICAL SPECIFICATION

DESCRIPTIONS	SILICA GEL ORANGE BEADS
Assay (as SiO2)	98 %
pH	4-6
Melting point	1610oC
Boiling Point	2230oc
Bulk Density gm/ltr	0.670 – 0.780
Density	2.6
Loss on Drying %	4 - 6 %
Loss on Attrition	2.5 % Max
Adsorption Capacity at 100 % humidity	35 - 40 %
Friability	99.5
Chloride (as Nacl)	Max. 0.5% ppm
Sulfates (as Na2SO4)	Max 0.5 % ppm

Cobalt Chloride (as CoCl2)	0.5 – 0.7 %
Methyl Violet	0.2
Ammonium Compound (as NH3)	0.001 %
Binder as CaSO4	0 %
Dimethyl Fumrate (DMF)	0 %
Particle size	4 - 6
COLOUR CHANGE	
RH =20 %	ORANGE
RH =50 %	PALE ORANGE
RH = 100 %	ALMOST COLORLESS

10. Stability and reactivity

MATERIALS TO AVOID:

STABILITY:	Stable under normal temperature conditions and recommended use.
HAZARDOUS POLYMERISATION:	Will not polymerise.
Water, steam, wate mixtures.	
HAZARDOUS DECOMPOSITION PRODUCTS:	None under normal conditions.

11. Toxicological information

TOXIC DOSE 1 -LD50 :	>5000 mg/kg (oral rat)
INHALATION:	Dust may irritate respiratory system or lungs. May have long term dust effects.
INGESTION:	May cause discomfort if swallowed.
SKIN CONTACT:	May cause skin irritation.
EYE CONTACT:	May irritate eyes.

12. Ecological information

LC 50, 96 Hrs, FISH mg/l	>10000
EC 50, 48 Hrs, DAPHNIA,mg/l	>10000
MOBILITY:	Not considered mobile.
DEGRADABILITY:	The product is not biodegradable.
ACUTE FISH TOXICITY:	Not considered toxic to fish.

13. Disposal considerations

GENERAL INFORMATION: This material and its container must be disposed of in a safe way to prevent a dust formation.

14. Transport information

GENERAL:
The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15. Regulatory information

RISK PHRASES:	NC	Not classified.
SAFETY PHRASES:	S22	Do not breathe dust.
	S24	Avoid contact with skin.
	S25	Avoid contact with eyes.

16. Other information

Text of R and S phrase codes used in this safety data sheet:- R34: Causes burns; R36: Irritating to eyes; R37:Irritating to respiratory system; R41: Risk of serious damage to eyes. The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.