Material Safety Data Sheet

Bentonite Soil Conditioning Agent (RXSOL-41-8101-025)

1. Product and Company Identifaction

Product Name	Bentonite
Part Number	RXSOL-81-8101-050

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

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

Phone	+91 22 65113333 / 5555 / 9999
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	123@rxmarine.com
Website	www.rxmarine.com

2. Composition / informationon ingredients

Component	CAS-No	Weight %
Bentonite	1302-78-9	100 %

Toxicological Data on Ingredients: Xanthan gum LD50: Not available. LC50: Not available.

3. Hazards Identification

Hazard Statements	:	Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant), of ingestion.
Potential Chronic Health Effects:	:	Hazardous in case of inhalation. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs. Repeated or prolonged exposure to the substance can produce target organs damage.

4. First Aid Measures

Eye Contact :	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention.
Skin Contact:	Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops
Serious Skin Contact:	Not Available.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention
Serious Inhalation:	Not available.

Ingestion:	Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

5. Fire-fighting Measures

Flammability	:	Not Flammable
Flash Point	:	Not Available
Lower Flammable Limit	:	No Data
Uper mable Limit	:	No Data
Combustion Products	:	Not Available
Fire Hazards in Presence of Various Substances	:	Not available
Explosion Hazards in Presence of Various Substances:	:	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions:	:	Not Avialble

6. Accidental Release Measures

Small Spill	:	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill		Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

7. Handling and Storage

Handling	:	Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible.
Storage	:	Keep container tightly closed. Keep container in a cool, well-ventilated area.

8. Exposure controls and personal protection

Engineering Control	:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protective Equipment		Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a Large Spill	:	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product
Exposure Limits	:	TWA: 10 from ACGIH (TLV) [United States] Consult local authorities for acceptable exposure limits.



Gloves



Suit

9. Physical and chemical properties

Physical State	:	Solid
Appearance	:	Pale grey to Bieg
Odor	:	Not Available
Odor Threshold	:	No information available.
PH	:	NA
Boiling Point	:	Not Available
Melting Point	:	Decomposes
Critical Temperature:	:	Not Available
Specific Gravity	:	2.5 (Water = 1)
Lower Explosion Limit	:	No data available.
Vapor Pressure	:	No data available.
Vapor Density		No data available.
Solubility	:	Very slightly soluble in cold water, hot water. Insoluble in methanol, diethyl ether, n-octanol, acetone.
Percent Volatile	:	NA
Water/Oil Dist. Coeff	:	NA
Ionicity (in Water)	:	NA

10. Stability and reactivity

Chemical Stability	:	Stable.
Hazardous Polymerization	:	Not expected to occur.
Condition to Avoid	:	NA
Materials Incompatibility	:	NA
Hazardous Decomposition Products	:	Not Available

11. Toxicological information

Routes of Entry		Eye contact. Inhalation.
Toxicity to Animals		LD50: Not available. LC50: Not available
Chronic Effects on Humans		Causes damage to the following organs: lungs.
Other Toxic Effects on Humans		Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant), of ingestion.
Special Remarks on Toxicity to Animals		Not available.
Special Remarks on Chronic Effects on Humans		Not Available
Special Remarks on other Toxic Effects on Humans		Not Available

12. Ecological information

Ecotoxicity	:	Not Available
Environmental Fate	:	Not Available
BOD5 and COD	:	Not Available
Products of Biodegradation	:	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
Toxicity of the Products of Biodegradation	:	The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation	:	Not available.

13. Disposal considerations

As per local rule & Regulation.

14. Transport information

DOT Classification: Not a DOT controlled material (United States).
Identification: Not applicable.
Special Provisions for Transport: Not applicable.
This is not classified as hazardous for any mode of transport.

15. Regulatory information

Federal and State Regulations	:	TSCA 8(b) inventory: Bentonite
WHMIS (Canada	:	CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
Other Regulations	:	OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
DSCL (EEC	:	R36- Irritating to eyes.
HMIS (U.S.A.)	:	Health Hazard: 2 Fire Hazard: 0 Reactivity: 0 Personal Protection: E
National Fire Protection Association (U.S.A.)	:	Health: 2 Flammability: 0 Reactivity: 0
Protective Equipment	:	Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

16. 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 we assume 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.