Material Safety Data Sheet

Starch Acid- Sulfite Indicator Powder (RXSOL-62-5503-005)

1. Product and Company Identifaction

Product Name	RXSOL-62-5503-005
Product Type	Starch Acid- Sulfite Indicator Powder

Company Details:

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

Phone	+91 22 65113333 / 5555 / 9999 / 27611360
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2. Composition / informationon ingredients

Ingredient Name	CAS Number	% wt or % vol.
1,4-Butanecarboxylic Acid	124049	60-90
Starch, Soluble	9005258	0-10
Sulfamic acid	5329146	0-25
Non-Hazardous Ingredients	.....	0-40

*See Section 16

3. Hazards Identification



Human Health Hazards R 36/38 : Causes Irritation / Inhalation may cause headache & dizziness . may cause adverse effects to aquatic environment. Keep away from food, children , animal .
Primary Entry Routes: Eye and Skin Contact. Acute Effects: Irritation to eyes and skin. Inhalation: High mist concentrations can cause irritation of eyes, nose, throat and lungs. Eye: Irritation and/or burning sensation to eyes. Skin: Prolonged or repeated contact may cause skin irritation. Ingestion: Material is possibly harmful if swallowed. Carcinogenity: IARC, NTP, and OSHA do not list this product or its components as a carcinogen. Medical Conditions Aggravated by Long-term Exposure: No specific information provided on compounds at date of issue.

4. First Aid Measures

Inhalation	Supply fresh air on irritation medical attention require & show this MSDS to physician. Remove to fresh air. Call a physician if any difficulties persist. Eye Contact: Flush eyes with a large amount of water for 15 minutes. Seek medical attention immediately if any irritation persists. After first aid, get appropriate in-plant, paramedic or community medical support.
Skin Contact	Skin Contact: Wash affected areas thoroughly with soap and water for at least 15 minutes. Seek medical attention if any irritation persists.
Eye Contact	Flush with running water on open eyelids for at least 15 minutes, Immediately medical attention require.

Ingestion	Ingestion: If swallowed, give 2 glasses of water to drink. DO NOT induce vomiting. After first aid, seek appropriate in-plant, paramedic, or community medical support. Never give anything by mouth to an unconscious person. After first aid, get appropriate in-plant, paramedic, or community medical support.

5. Fire-fighting Measures

Flash Point: Non-Flammable Flash Point Method: Not applicable Burning Rate: Not applicable Auto-ignition Temperature: Does not burn. LEL: NIA UEL: NIA Flammability Classification: Non Flammable Extinguishing Media: Water fog, Alcohol foam, Carbon Dioxide, Dry Chemical Unusual Fire or Explosion Hazards: None known other than material can splatter above 100o C/212o F. Hazardous Combustion Products: Unknown but carbon monoxide may be released on burning. Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways. Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

6. Accidental Release Measures

Enviromental Precaution	Direct flow into drainage system, surface or ground water is prohibited
Cleaning Method	for preventing the spreading of materials remove spill mechanically or with absorbent materials and dispose of in accordance with section 13.Flush with large amounts of water to clean the area.Ventilate well. Personal: During usage of chemical personal should use all normal protective equipment and avoid contact with eye and skin and for use in close environment personnel should use respiratory breathing apparatus

7. Handling and Storage

Storage Ensure Adequate Ventilation

Condition to Avoid	Flammable but product is stable under normal condition , take precaution as industrial chemical .
Materials to Avoid	Do not subject directly to ALKALINE / Acidic medium.
Handling	Keep Container Tightly *Closed* in the original container and keep away from open flames / ignition sources.
Note	Eyewash facilities require at workplace

The product causes corrosion on skin and mucous membranes GENERALLY Pl. Note that In case of discharge of acidic or alkaline products into the sewerage system the pH must be in the range of 6-10 since higher or lower pH values may damage the sewerage system or impair biological dosage treatment plants. So that for maintaining pH we have to add acidic / basic medium neutaliser . For example if pH is less than 6 basic neutraliser is required and if pH is more than 10 aci- dic nature neutraliser is required. For details of any guideline pl. Visit our technical website www.rxmarine.com

• Dilute in water (always use plastic jar and RXSOL should be added to water never add water to RXSOL.)

8. Exposure controls and personal protection

Product Properties	
Respiratory System Protection	Approved respirator must be worn when spraying otherwise normally not required
Eye Protection	If there is possibility to contact wear goggles for eye protection
Hand protection	Wear PVC chemical resistance protective gloves
Other Information	Smoking in store / work area is prohibited.

9. Physical and chemical properties

Physical State: Granular Solid
Water Solubility: 25 % +/-
Appearance and Odor: White Color,
Characteristic Odor Other Solubilities: Not Determined
Vapor Pressure: N/A
Boiling Point: N/A
Vapor Density (Air=1): N/A
Freezing/Melting Point: N.I.A.
Specific Gravity (H2O=1, at 4o C): N.I.A. % Volatile: 1
pH: N/A
Evaporation Rate: N/A

10. Stability and reactivity

Stable under normal condition on access of heat Vapour/gas may form explosive mixtures with air.Hazardous Decomposition Products: No decomposition if stored and used as directed. In FIRE combustion CO, CO2 , NH3 , SOX etc hazardous gas produced.Note : MATERIALS TO AVOID Hydrocarbons and their derivatives may attack certain types of plastic, rubber and pain

11. Toxicological information

Skin Irritation	Gives irritation may causes dryness. And prolonged contact with skin can cause degreasing effect.
Eye Irritat	Cause severe irritation
Sensitization	Sensitizing properties not known
ChronicToxicity	Not Identified
Carcinogencity	Not regulated. (prolonged inhalation of solvents may cause chronic solvent intoxication.

12. Ecological information

RXSOL OB 1005 emulsifies in water and degradable , Toxic to aquatic organism & dangerous for environment but no enviromental problem will create when the product is used correctly . in its intended use the product will not be released into the environment.

13. Disposal considerations

As per guide line of local rules and regulation and before disposal and neutralization pl. refer 07 article.

14. Transport information

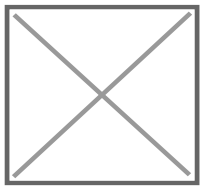
Goods classified for road /rail /	Sea transport	YES with	UN-no	3082
Proper shipping name	Environmentally hazardous liquid	contains	(Alkyl (C3-C8) Benzenes)	
Hazard identification no	90 Product identification		(UN) no	3082
TREMCARD no.	CEFIC	90G01		
Marine pollutant	Yes			

Flash point	90 ºC
Labelcolour	White./Black.

Marine pollutant: No

Transport/Additional information

15. Regulatory information



Contains: Aromatic Hydrocarbons, Alkyl (C3-C8)

R	phrases
R	51/53 Toxic to aquatic organisms/may cause long term adverse effects in the Environment
R	52 Marine Pollutant
R	65 Harmful: May cause lung damage if swallowed
S	phrases
S	23 Do not breathe vapour
S	24 Avoid contact with skin
S	60 This material and its container must be disposed of as hazardous waste
S	61Avoid spillage to the environment. Ask for special instructions/safety Datasheet
S	62 If swallowed, do not induce vomiting; seek medical advice immediately
S	36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

REFERENCES Classified according to European directive on classification of dangerous preparations 90/492/EEC and accordance with EU directive 88/379. .

16. Other information

on the basis of information and experience as well as our present knowledge this guidelines is only safe for handling, use, processing, storage, transport, disposal and discharge; this is not a guarantee or quality of specification. And combination with other products will lost the properties. It is always the responsibility of the user to take all necessary steps to ensure that information given here is read and understood by all who use, handle, dispose of or in any way come in contact with the product. It is not to be considered as a guarantee of the products properties. Disclaim: The information in this MSDS is meant as a description of the safety requirements of our product.