Material Safety Data Sheet

Sodium Benzoate (RXSOL-19-1908-050)

1. Product and Company Identifaction

Product Name	Sodium Benzoate
Product Type	RXSOL-19-1908-050

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

Stock Point : Mumbai, Kandla, Chennai, Kolkata, Visakhapatnam, Fujairah, Muscat, Kenya Africa, Canada

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

Name	CAS #	% By weight
Sodium benzoate	532-32-1	100

Toxicological Data on Ingredients:
Sodium benzoate: ORAL (LD50): Acute: 4070 mg/kg [Rat]. 1600 mg/kg [Mouse]. 2000 mg/kg [Rabbit].

3. Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation. Slightly hazardous in case of ingestion.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS:	Not available.
MUTAGENIC EFFECTS:	Not available.
TERATOGENIC EFFECTS:	Classified POSSIBLE for human.
DEVELOPMENTAL TOXICITY:	Classified Reproductive system/toxin/female, Reproductive system/ toxin/male [SUSPECTED]. The substance may be toxic to blood, the reproductive system, liver, central nervous system (CNS). 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. Get medical attention.
Skin Contact:	In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used.Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.
Serious Skin Contact:	Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.
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. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
Serious Ingestion:	Not available.

5. Fire-fighting Measures

Flammability of the Product:	May be combustible at high temperature.
Auto-Ignition Temperature:	Not available.
Flash Points:	Not available.
Flammable Limits:	Not available.
Products of Combustion:	These products are carbon oxides (CO, CO2).
Fire Hazards in Presence of Various Substances:	Slightly flammable to flammable in presence of heat. Non-flammable in presence of shocks. Explosion Hazards in Presence of Various Substances: Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks.

Fire Fighting Media and Instructions:

SMALL FIRE:	Use DRY chemical powder.
LARGE FIRE:	Use water spray, fog or foam. Do not use water jet. Special Remarks on Fire Hazards: When heated to decomposition it emits acrid fumes and disodium oxide.
Special Remarks on Explosion Hazards:	Fine dust dispersed in air in sufficient concentrations, and in the presences of an ignition source is a potential dust explosion hazard.

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.

7. Handling and Storage

Precautions:
Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage:
Keep container tightly closed. Keep container in a cool, well-ventilated area. Hygroscopic

8. Exposure controls and personal protection

Engineering Controls:	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 Protection:	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:	Not available.

9. Physical and chemical properties

APPEARANCE	Pale yellow , purple pink , white or blue tinted.
ODOUR	Pale yellow , purple pink , whiFrulty odour at low concentrations. Sharp at high concentrationste or blue tinted.
pH	Not applicable
BOILING POINT RANGE	145 - 148 deg C
FREEZING POINT	30.6 Deg C
FLASH POINT	35 Styrene (closed cup)
FLAMMABILITY	1.1 - 6.l % v/v (Styrene)
AUTOFLAMMAIBILITY	490 Deg C
EXPLOSIVE PROPERTIES	Stynene LEL 1.1% UEL 6.1%
OXIDISING PROPERTIES	None
VAPOUR PRESSURE	Styrene 0,60 kPa at 20 DEG C 0.81 kPa at 25 DEG C
DENSITY	1.11 - 1.23gcm3
SOLUBILITY IN WATER	Practically insoluble in water 0.05%

10. Stability and reactivity

Stability:	The product is stable.
Instability Temperature:	Not available.
Conditions of Instability:	Excess heat, dust generation Incompatibility with various substances:Reactive with oxidizing agents.
Corrosivity:	Non-corrosive in presence of glass.
Special Remarks on Reactivity:	Hygroscopic; keep container tightly closed.
Special Remarks on Corrosivity:	Not available.
Polymerization:	Will not occur.

11. Toxicological information

Routes of Entry:
Inhalation. Ingestion.

Toxicity to Animals:
Acute oral toxicity (LD50): 1600 mg/kg [Mouse].

Chronic Effects on Humans:
TERATOGENIC EFFECTS:
Classified POSSIBLE for human. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [SUSPECTED]. May cause damage to the following organs: blood, the reproductive system, liver, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant), of inhalation. Slightly hazardous in case of ingestion.Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects and birthdefects(teratogenic). May affect genetic material (mutagenic)

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects:
Skin:May cause skin irritation.
Eyes: Dust may cause mechanical.
Inhalation: May causerespiratory tract irritation. Ingestion: Ingestion of large amounts may cause gastrointestinal tract irritation with gastric pain, nausea, and vomiting. May also affect behavior/central nervous system (tremor, convulsions, change in motor activity), and respiration (dyspnea). Chronic Potential Health Effects: Ingestion: Prolonged or repeated ingestion may affect behavior/central nervous system (sypmptoms similar to acute exposure) as well as liver, metabolism, blood, and urinary system.

12. Ecological information

Ecotoxicity:	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 product itself and its products of degradation are not toxic.
Special Remarks on the Products of Biodegradation:	Not available.

13. Disposal considerations

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. Transport information

DOT Classification:
Not a DOT controlled material (United States).

Identification:
Not applicable.

Special Provisions for Transport:
Not applicable.

15. Regulatory information

Federal and State Regulations:
TSCA 8(b) inventory:
Sodium benzoate

Other Regulations:
OSHA:
Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:
WHMIS (Canada):
Not controlled under WHMIS (Canada).

DSCL (EEC):
R20/21/22- Harmful by inhalation, in contact with skin and if swallowed. R36/38- Irritating to eyes and skin. R63- Possible risk of harm to the unborn child. S24/25- Avoid contact with skin and eyes.

HMIS (U.S.A.):

Health Hazard: 2
Fire Hazard: 1
Reactivity: 0
Personal Protection: E

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Splash goggles.

16. Other information

Before using this product, Vou must become completely familiar wlth the safety and hazard information contained in the material safety data sheet. RX MARINE INTERNATIONAL(the seller) present this data sheet information, to the best of our knowledge, to be true and accurate without warranty and disclaims any liability arislng from its use and/or misuse. Seller recommends use of the informatlon to make your own determination of its suitability and completeness for your own use in commercial processes which do not violate third-party patent right or any laws or regulation. The seller makes no warranties, express or implied, including, but not limited to the implied warranties of merchantability and fitness for a particular purpose except as expressly stated in the seller's conditions of sale or sales acknowledgement form.