Material Safety Data Sheet

FERROUS SULPHATE (RXSOL-19-1902-025)

1. Product and Company Identifaction

Product Name	FERROUS SULPHATE
Product Type	RXSOL-19-1902-025

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 Oman, Kenya, Canada

Phone	+91 22 27815540 / 41 / 42
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Email	mail@rxmarine.com

2. Composition / informationon ingredients

INGREDIENT	CAS No.
Ferrous Sulphate	7782-63-0

3. Hazards Identification

Inhalation	Causes irritation to the respiratory tract. Symptoms may include coughing, shortness of breath.
Ingestion	Low toxicity in small quantities but larger dosages may cause nausea, vomiting, diarrhea, and black stool. Pink urine discoloration is a strong indicator of iron poisoning. Liver damage, coma, and death from iron poisoning has been recorded. Smaller doses are much more toxic to children.
Odour	Odourless
Odor Threshold	Not Applicable
pH	12.7 (1% solution)
Melting Point/Freezing Point	1089°C
Initial Boiling Point and Boiling Range	>1200°C
Flash Point	Not Applicable
Evaporation Rate	Not Applicable

4. First Aid Measures

First Aid Measures:	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
Inhalation:	Remove patient to fresh air. Seek medical assistance if effects persist
Ingestion:	Never give anything by mouth to an unconscious person. If swallowed rinse mouth seek medical advice
Skin:	Wash affected area thoroughly with soap and water
Eye:	Flush with plenty of water for several minutes, holding eyelids open if necessary. Remove contact lenses if present and easy to do. Seek medical advice.

Advice to Doctor:	Treat symptomatically.

5. Fire-fighting Measures

Flash Point:	N/A (Non-flammable)
Combustion Products:	Non-combustible. Decomposes on heating to form sulphur oxides
Extinguishing Media:	Based on surrounding materials
Protective Equipment:	Breathing apparatus, goggles and protective gloves
HAZCHEM Code:	None allocated.

6. Accidental Release Measures

Spills and Disposal:	Wear appropriate protective clothing.. Contain spill and sweep up. Collect and place in sealable containers. Avoid generating dust. Reuse or recycle where possible.
Protective Clothing:	For appropriate personal protective equipment see section 8.
Environmental	Avoid unintended release of excessive amounts into waterways or sewers.

7. Handling and Storage

Handling:	Avoid generating dusts, do not breathe dusts.
Approved Handler:	Not required
Tracking:	Not required
Record Keeping:	Not required
Storage:	Store in a cool, dry area
Other Information:	Avoid unintended release into the environment.

8. Exposure controls and personal protection

Exposure Limits: Workplace Exposure Standards (WES):	Particulates not otherwise classified Inspirable dust 10mg.m-3 Respirable dust 3mg.m-3
Protective Equipment:	Overalls, safety glasses and gloves. If dust is present wear dust mask and goggles. Eye wash facilities should be available.
Engineering Controls:	Handle in well ventilated area. If dust generated use local extraction to control. Avoid inhalation of dust.
Hygiene Precautions:	Remove protective clothing and wash hands and face before meals and after work.

9. Physical and chemical properties

Information on basic physical and chemical properties:

Appearance:	Green or brown crystals.
Odour:	Odourless
Specific Gravity:	1.89g/cm3
Bulk Density:	1040kg/m3
pH:	3-4 (50g/l in water at 20 °C)
Flash Point:	N/A
Other Information:	None

10. Stability and reactivity

Stability:	Stable under normal conditions.
Hazardous Polymerisation:	Will not occur.
Hazardous Decomposition Products:	Decomposes on heating to form sulphur oxides.
Conditions to Avoid:	Strong heat, moisture.
Materials to Avoid:	Alkalis, soluble carbonates, sodium borate and oxidizing agents.

11. Toxicological information

ERMA Classifications:	6.1D, 6.3A, 6.4A
Ingestion:	Ingestion of large quantities may lead to nausea, vomiting, diarrhoea, thirst.
Inhalation:	Slight irritant. Over exposure may cause mucous membrane irritation and coughing.
Skin:	Irritant. Prolonged and repeated skin exposure may result in irritation, skin rash
Eye:	Irritant. Direct contact may result in lachrymation (tears), pain, redness and conjunctivitis.
Chronic Effects:	Not anticipated.
Other Information:	Low toxicity, no adverse health affects expected under normal coToxicity nditions.
Data:	LD50 (oral, mouse) 1400mg/kg

12. Ecological information

ERMA Classifications:	9.1D, 9.3C
Ecotoxicity:	Avoid unintended release into streams and waterways.

13. Disposal considerations

Product Disposal:	Reuse or recycle where possible. If practicable apply excess fertiliser at recommended rates to appropriate land. Observe any local authority restrictions that may apply.
Container Disposal:	Rinse containers thoroughly prior to reuse. Otherwise render unusable and dispose of as waste.

14. Transport information

UN Number:	None Allocated.
Proper Shipping Name:	None Allocated.
DG Class:	None Allocated.
Other Information:	Not regulated for transport purposes.

15. Regulatory information

NA

16. Other information

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.

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