Material Safety Data Sheet

Copper Slag (RXSOL-81-8112-025)

1. Product and Company Identifaction

Product Name	RXSOL-81-8112-025
Product Type	Copper Slag

Company Details:

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

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

2. Composition / informationon ingredients

COMPONENTS	CAS No.	Percent by Weight
Iron Oxide (Fe2O3)	1309-37-1	23.0
Silicon (SiO2) 7	440-21-3	45.0
Free Silica	7631-86-9	0.1
Alumina (Al2O3)	7429-90-5	7.0
Calcium (CaO)	1305-78-8	19.0

3. Hazards Identification

Eye contact	Abrasion injuries possible if safety glasses are not worn. Contact lens use may be dangerous when handling this product.
Skin contact	Trauma hazard associated with handling equipment or sudden release of large volumes. Abrasion injuries possible during blasting operations or similar exposure, with high velocity direct exposure to skin.
Ingestion	Toxic effects will not occur.
Inhalation	Fine particulates (PM-10) in the form of dust during loading/unloading, processing and packaging.
Chronic effect	Respiratory illness as a result of long-term exposure to particulates is possible. NIOSH-approved particulate respirators should be used during blasting operations. Existing disorder increases risk of discomfort and injury

4. First Aid Measures

EYE	Flush thoroughly with cool running water.
SKIN	Follow procedures appropriate to abrasion or trauma injuries.
INGESTION	Not likely. If swallowed, seek medical attention.
INHALATION	Follow procedures appropriate to dust inhalation.

5. Fire-fighting Measures

Flammable	Non flammable
flash Point/ Method Used	None
Autoignition	None
PYROPHORIC, OXIDIZER, ORGANIC PEROXIDE	No
EXTINGUISHING MEDIA	N/A
Health	NA
Flammability	NA
Reactivity	NA
FIRE FIGHTING INSTRUCTIONS	None
SPECIAL FIRE FIGHTING PROCEDURES	None
COMBUSTION PRODUCTS	None

6. Accidental Release Measures

PERSONAL PRECAUTIONS	Respiratory protection: NIOSH-approved respiratory equipment for abrasive blast environments
Personal protection	NIOSH-approved garments and head gear during blasting operations. See Section 8
CLEANUP MEASURES	A release that is smaller than the RQ (11,952 tons) will pose a housekeeping problem. Material should be swept or vacuumed into appropriate containers.

7. Handling and Storage

NORMAL STORAGE	General dry storage, ambient air temperature and pressure.
HANDLING	Follow good housekeeping practices to reduce airborne emissions. Use approved respiratory protection and clothing in abrasive blast environments

8. Exposure controls and personal protection

Engineering Controls	Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposures below PELs or TLVs during loading and unloading. Mechanical exhaust may be appropriate during processing. Special exhaust may be appropriate during normal abrasive blasting operations.
EYE AND FACE PROTECTION	Use safety glasses with side shields. If there is potential for exposure to particles which could cause mechanical injury to the eye, wear goggles.
SKIN AND HAND PROTECTION	Gloves as desired by user.

9. Physical and chemical properties

PHYSICAL DESCRIPTION	Black Angular to Sub-Angular Granules
ordor	Odorless
flash point	None
vapor presure(mm Hg)	N/A
Vapor density (AIR = 1)	N/A

Boiling point	2400°F
melting point	None
EVAPORATION RATE (BUTYL ACETATE = 1)	N/A
Solubility	Insoluble in water
SPECIFIC GRAVITY	2.8
pH	N/A

10. Stability and reactivity

CHEMICAL STABILITY	Stable.
CONDITIONS TO AVOID	None
INCOMPATIBILITY WITH OTHER MATERIALS	None
HAZARDOUS DECOMPOSITION PRODUCTS	None
HAZARDOUS POLYMERIZATION	Polymerization will not occur.

11. Toxicological information

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12. Ecological information

Not toxic to mammals or aquatic environments. Not persistent in the environment.

13. Disposal considerations

If the grit remains uncontaminated per the Resource Recovery and Conservation Act (RCRA), then the material meets the definitionof a solid waste and may be disposed of per local, state and federal regulations.
If the spent grit contains contaminates at levels above those specified under RCRA, then the waste is defined as hazardous and mustbe managed per federal or state regulations governing hazardous waste.

14. Transport information

NAME OF CONTENTS	Abrasive Grit
REPORTABLE QUANTITY	11,952 tons
CONSTITUENTS	No hazardous substances at regulated levels
HAZARD CLASS	N/A
UN/NA NUMBER	N/A
POISON INHALATION HAZARD	N/A

EMERGENCY RESPONSE NUMBER (206) 383-2168

15. Regulatory information

N/A

16. Other information

The information contained in this safety data sheet is given in good faith. It is accurate to the best of our knowledge and belief and represents the most up to date information. The information given in this data sheet does not constitute or replace the users own assessment of workplace risk as required by other health and safety legislation.

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