

Copper Slag (RXSOL-81-8112-025)

MATERIAL SAFETY DATA SHEET • SALALAH CHEMICAL, OMAN

1. Product and Company Identification

www.rxmarine.com

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
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Email	mail@rxmarine.com

2. Composition / Information on ingredients

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COMPONENTS	CAS No.	Percent by Weight
Iron Oxide (Fe ₂ O ₃)	1309-37-1	23.0
Silicon (SiO ₂) 7	440-21-3	45.0
Free Silica	7631-86-9	0.1
Alumina (Al ₂ O ₃)	7429-90-5	7.0
Calcium (CaO)	1305-78-8	19.0

3. Hazards Identification

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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

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EYE	Flush thoroughly with cool running water.
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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

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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

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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

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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

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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.
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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

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PHYSICAL DESCRIPTION	Black Angular to Sub-Angular Granules
odor	Odorless
flash point	None
vapor pressure(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

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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

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

13. Disposal considerations

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If the grit remains uncontaminated per the Resource Recovery and Conservation Act (RCRA), then the material meets the definition of a solid waste and may be disposed of per local, state and federal regulations.

If the spent grit contains contaminants at levels above those specified under RCRA, then the waste is defined as hazardous and must be managed per federal or state regulations governing hazardous waste.

14. Transport information

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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

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N/A

16. Other information

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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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