



JPL INDUSTRIES PTE LTD

Material Safety Data Sheet (MSDS-0011U/05/04R1)

1. Company information

- 1.1 **Manufacturer's Name** : JPL Industries Pte Ltd
- 1.2 **Address** : 11A Jurong Pier Road
Singapore 619166
- 1.3 **Emergency Telephone Number** : (65)62662210
- 1.4 **Telephone Number Information** : (65)62662210

2. Product Identification

- 2.1 **Products Name** : Processed Copper Slag #830
Processed Copper Slag #1430,
Processed Copper Slag #1030,
Processed Copper Slag #3060,
Processed A Slag

3. Identity information /Physical and Chemical Characteristics

Copper slag is a type of abrasive blast materials, which is produced as by-product of copper smelting. It is used in the removal of rust, paint or coating of steel surface before painting.

Processed A Slag is recycled copper slag, which is produced from treated slag. It is used in the removal of rust, paint or coating of steel surface before painting.

- 3.1 **Appearance:** Black, angular in shape.
Processed A Slag: Subrounded to angular in shape.
- 3.2 **Melting point:** 1000 – 1250 degree C
- 3.3 **Solubility in water:** Insoluble



3.4 Specific gravity (H₂O=1.0): 3.3-3.9

4. Fire and explosion hazard data.

- 4.1 Flash point : Material is a non-flammable solid
- 4.2 Flammable limits : Not applicable.
- 4.3 Extinguishing media : Use extinguishing appropriate for the surrounding fire.
- 4.4 Special fire fighting procedures : As appropriate to surrounding fire. Fire fighters should be protected from nuisance dust.

5 Reactivity Data:

- 5.1 Stability : Stable
- 5.2 Incompatibilities (Materials to avoid) : Strong mineral acid, eg HCL, HNO₃, H₂SO₄.
- 5.2 Hazardous thermal decomposition Products : None Expected
- 5.4 Polymerization : Will not occur

6 Health Hazard Data

- 6.1 Usual route(s) of entry : Possible inhalation
- 6.2 Medical conditions possibly aggravated : Chronic diseases or disorders of the respiratory system.
- 6.3 Proper precautions should be taken to avoid any health hazard. A health hazard may occur if limits for air contaminants exceed PEL limits as per 29 CFR 1910.1000. Proper engineering controls and ventilation should be used to prevent air contaminants from exceeding PEL limits.

7 Precautions for safe handling and use.

7.1 Steps to be taken in case material is released or spilled:

NO SPECIAL PRECAUTIONS ARE NECESSARY. Sweep or vacuum material for disposal. Prevent generation of dust during clean up.

7.2 Waste disposal methods:

Follow local, state and federal guidelines for disposal of inert solid waste.

Wastes may be reclaimed or salvaged for further use. MATERIAL CONTAMINATED IN USE MAY REQUIRE SPECIAL HANDLING.

7.3 Precautions to be taken in handling and storing:

Use good housekeeping practices to reduce dust; use approved hand, eye and respiratory protection when handling material.

7.4 Other precautions:

Use material ONLY for the purpose intended, and incorporate methods of dust control to maintain airborne dust within federal or local TLV limits.

8 Control measures

8.1 Respiratory protection (specify type)

Use NIOSH/MSHA approved filters and air supplied hoods for blasters.

8.2 Ventilation: Yes

Local exhaust: Use when blast cleaning



8.3 Skin protection:

Leather or equivalent-in use and long-sleeved clothing are recommended when dust levels are excessive or during the blast cleaning operation.

8.4 Eye protection:

Safety glasses with side shields are recommended when dust levels are excessive.

8.5 Other protective clothing or equipment:

Hearing protection when working near blast cleaning operation.

8.6 Work/hygienic practices:

Maintain a clean and safe work environment and monitor work practices.

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