



PAN MARINE BLASTING ABRASIVES PTE LTD

Co Reg No 198102190D

3, Tuas South Street 9, Singapore 637101 | Tel (65) 6862 4884 | Fax (65) 6861 1368
Email contactus@pmba.com.sg | www.pmba.com.sg

SAFETY DATA SHEET

Date of Issue: May 2018

SECTION I – IDENTIFICATION OF MATERIAL AND SUPPLIER

- 1.1 GHS Product identifier: **Copper Slag**
Other means of Identification: **Iron Silicate**
- 1.2 Supplier's details:
Pan Marine Blasting Abrasives Pte Ltd
3 Tuas South Street 9, Singapore 637101
- Telephone number: +65 6862 4884
Fax number: +65 68611368
E-mail: contactus@pmba.com.sg

SECTION 2 – HAZARDS IDENTIFICATION

- 2.1 Hazardous Decomposition Products
Non-hazardous substance, non-dangerous goods
- 2.2 Hazardous Polymerization
Will not occur.

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Chemical Composition (Typical)
- | | | |
|----------------|---|-------------------|
| Copper (as Cu) | : | Approx. 0.79% |
| Lead (as Pb) | : | Approx. 0.08% |
| Nickel (as Ni) | : | Approx. 0.009% |
| Zinc (as Zn) | : | Approx. 1.57% |
| Iron (as Fe) | : | Approx. 48 – 60 % |



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SECTION 4 – FIRST AID MEASURES

4.1 Eyes

If irritated during handling or use, flush with fresh water and seek medical attention.

4.2 Skin

Not hazardous by skin contact but if irritated, clean the skin thoroughly with soap and water.

4.3 Inhaled

Use a cup mask to filtrate and reduce amount of dust inhalation.

4.4 Swallowed

If accidentally swallowed, obtain immediate medical attention.

SECTION 5 – FIRE FIGHTING MEASURES

5.1 Flash Point

Non-flammable, does not support combustion of other materials, and will not cause dust explosions.

5.2 Extinguishing Media

Not applicable

5.3 Fire and Explosion Hazards Data

Not applicable

5.4 Special Fire Fighting Instructions

Not applicable



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SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Spill Response Procedures

Prevent entering sewer, stormwater drains or waterways. Sweep up immediately.

6.2 Waste Disposal Method

According to local government regulations.

SECTION 7 – HANDLING AND STORAGE

7.1 Protective Gloves

Rubber or fabric, if required.

7.2 Eye Protection

Safety goggles.

7.3 Ventilation

Local exhaust.

7.4 Handling and Storage

No special storage precautions required.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Standards

Do not store or consume food, drink or tobacco in an area where they may become contaminated with this material. Wash hand thoroughly before eating, smoking, applying cosmetics etc. use safe hygiene practices. Thoroughly launder work clothes before reuse.

8.2 Engineering Controls

Ensure all blast cleaning equipment complies with regulatory and safety standards / regulations. Local ventilation should be considered if used in poorly ventilated or very confined space.



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8.3 Personal Protection Equipment

When usage is directed at abrasive blasting, ensure that proper abrasive blasting helmet, protective suit, gloves and footwear are worn.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Appearance :	Black granules, free flowing grit
9.2 Vapour Pressure:	Not applicable
9.3 Specific gravity:	Approx. 3.5
9.4 Odour:	Odourless
9.5 Hardness:	Approx. 6 – 7 Mohs
9.6 Boiling point:	Not applicable
9.7 Flash point:	Not applicable
9.8 Solubility in water:	Insoluble

SECTION 10 – STABILITY AND REACTIVITY

10.1 Stability :	Stable under normal conditions of use
10.2 Incompatibility (material to avoid):	None allocated
10.3 Hazardous Decomposition Products:	None allocated
10.4 Hazardous Polymerization:	Will not occur
10.5 Hazardous Reaction:	None identified

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 No toxicological information is available for this product.



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SECTION 12 – ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity : None identified
- 12.2 Persistence and degradability: Not applicable
- 12.3 Mobility in soil : Not applicable

SECTION 13 – DISPOSAL CONSIDERATIONS

- 13.1 Disposal methods:
Follow local, state or federal guidelines for disposal of inert solid waste, e.g. for landfill.
- 13.2 Waste disposal considerations:

MATERIAL CONTAMINATED OR REDUCED TO DUST IN USE MAY NEED SPECIAL HANDLING AND DISPOSAL. IT IS THE RESPONSIBILITY OF THE USER TO UNDERTAKE ANY EVALUATION CLASSIFICATION AND DISPOSAL OF MATERIAL AFTER USE.

SECTION 14 – TRANSPORT INFORMATION

- 14.1 UN number : None allocated.
- 14.2 UN proper shipping name : Not classified for transportation.
- 14.3 Transport hazard class(es)/Codes : Not classed as Dangerous under the ADG Code.
- 14.4 Packing group : Not applicable
- 14.5 Environmental hazards : None
- 14.6 Special precautions for user : None
- 14.7 Transport information : Transport in a covered modes, e.g: Bulk bags, feeder containers, paper bags

SECTION 15 – REGULATORY INFORMATION

- 15.1 None applicable.



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SECTION 16 – OTHER INFORMATION

DISCLAIMER: The information given and the recommendations made herein apply to our product(s) alone and not in combination with any other product(s). Such information and recommendations are based on our experience and data from other reliable sources and believed to be accurate. However, no guarantee of their accuracy is made. In every case we urge and recommend that purchasers carry out their own tests to verify this data under their own operating conditions and to determine their own satisfaction whether the product is suitable for their particular purposes, before using any product. The particular purpose or any other warranty, expressed or implied.

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End of SDS.
