

Material Safety Data Sheet
MSDS No.: GSB-2013**1 – PRODUCT IDENTITY AND COMPANY IDENTIFICATION**

Product Identity / Trade name: **GREY STAINLESS BAR**
Product Use: Solid polishing compound bar, sold individually or in sets.
Manufacturer Name: Chaicharoen Polishing Co., Ltd.
Address: 214 Moo 10 Poochaosamingprai Rd., Samrongtai,
Prapradang, Samutprakarn, 10130 Thailand.
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2 – HAZARDS IDENTIFICATION

This product is pre-molded cake form (Grey) with a slight odor.
Emergency Overview
Dust may cause eye and respiratory irritation. Dust particles or filings may cause abrasive injury to the eyes. Fine dust generated by grinding may be spontaneously combustible or create a fire or explosion hazard.

3 – COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS number	%
Aluminium Oxide	1344-28-1	68
Ferric Oxide	1309-38-2	2
Petrolatum	8009-03-8	3
Contains fatty acids and others		

4 – FIRST AID MEASURES

Ingestion: If dust is swallowed, seek medical attention.
Inhalation: If overexposed to dust, remove victim to fresh air and get medical attention.
Eye Contact: Flush eyes thoroughly with water, holding open eyelids. Get medical attention if irritation persists.
Skin Contact: Wash dust from skin with soap and water. Launder contaminated clothing before reuse.

5 – FIRE FIGHTING MEASURES

Extinguishing Media: CO₂, dry chemical, foam, water fog. Treat as an oil fire.
Special Firefighting Procedures: None needed.
Unusual Fire and Explosion Hazards: Fine dusts created during grinding or processing may be spontaneously combustible or create a fire of dust explosion hazard. Many materials create flammable/explosive dusts or turnings when machined. Material will burn under fire conditions-treat as an oil fire.
Hazardous Combustion Products: Oxides of carbon and smoke.

6 – ACCIDENTAL RELEASE MEASURES

Eliminate all sources of ignition. Pick up, sweep up or vacuum and place in a container for disposal. If dust is vacuumed, use explosion-proof equipment. Minimize generation of dust. Notify authorities as required by local, state and federal regulations.

7 – HANDLING AND STORAGE

Recommended Work Practices: Use only with adequate ventilation. Avoid breathing dust. Wash thoroughly after handling and use, especially before eating, drinking or smoking. Consider potential exposure to components of the base materials or coatings being machined. Refer to OSHA's substance specific standards for additional work practice requirements where applicable.

8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Hazardous Component	OSHA PEL	ACGIH TLV
Aluminum Oxide	1 mg/m ³ TWA Respirable fraction (as Al)	15mg/m ³ TWA Total dust 5 mg/m ³ TWA Respirable fraction
Ferric Oxide	5 mg/m ³ TWA Respirable fraction	15 mg/m ³ TWA Total dust 5 mg/m ³ TWA Respirable fraction
Petrolatum	5 mg/m ³ TWA	5 mg/m ³ TWA 10 mg/m ³ STEL
Fatty acid and others	Non Established	Non Established

Note: Consider also components of base materials and coatings being machined.

Ventilation: Use local exhaust or general ventilation as required to minimize exposure to dust and maintain the concentration of contaminants below the TLVs.

Respiratory Protection: Use NIOSH approved respirator if exposure limits are exceeded or where dust exposures are excessive. Consider the potential for exposure to components of the coatings or base material being brushed or machined in selecting proper respiratory protection. Refer to OSHA's specific standards for lead, Cadmium, etc. where appropriate. Selection of respiratory protection depends on the contaminant type, form and concentration. Select and use respirators in accordance with OSHA 1910.134 and good industrial hygiene practice.

Gloves: Avoid skin contact with dust. Follow facility requirements regarding glove use to avoid safety hazard.

Eye Protection: Use safety goggles or safety glasses with side shields.

Other: Protective clothing as needed to prevent contamination of personal clothing. Hearing protection may be required.

9 – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not Applicable

Not Applicable

Solubility in Water: Insoluble

Not Applicable

Specific Gravity: Not applicable

Melting Point: 125-145 F

Appearance and Odor: Premolded cake form (Grey) with a slight odor.

Flash Point: Not: Not Applicable

Vapor Pressure: (mm Hg)

Vapor Density: (Air=1)

Evaporation Rate: Not applicable

Flammable Limits: LEL: Not applicable

UEL: Not Applicable

10 – STABILITY AND REACTIVITY

Stability: Stable

Incompatibility: Strong oxidizers or reducing agents.

Hazardous Decomposition Products: Dust from machining could contain ingredients listed in Section 3 and other, potentially more hazardous components of the base material being machined or coatings applied to the base material.

Combustion will form oxides of carbon and smoke.

Hazardous Polymerization: Will not occur.

11 – TOXICOLOGICAL INFORMATION

HEALTH HAZARDS:

Ingestion: None expected under normal use conditions. Swallowing large pieces may cause obstruction of the gastrointestinal tract.

Inhalation: Dust may cause respiratory irritation.

Eye: Dust may cause eye irritation. Dust particle or filings may cause abrasive injury to the eyes.

Skin: None expected under normal use conditions. Rubbing blades across the skin may cause mechanical irritation or abrasions.

Sensitization: Not expected to cause sensitization.

Chronic: Long-term overexposure to dust may cause lung damage (fibrosis) with symptoms of coughing, shortness of breath and diminished breathing capacity. Chronic effects may be aggravated by smoking. Prolonged exposure to elevated noise levels during operations may affect hearing. A greater hazard, in most cases is the exposure to the dust/fumes from the material or paint/coatings being machined. Most of the dust generated during processing is from the base material being processed and the potential hazard from this exposure must be evaluated.

Carcinogenicity: None of the components is listed as a carcinogen or potential carcinogen by OSHA, NTP, ACGIH, or IARC.

Medical Conditions Aggravated by Exposure:

Employees with pre-existing respiratory disease may be at risk from exposure.

Acute Toxicity Values: This product and its components are not acutely toxic.

12 – Ecological Information

No ecological data is available for this product. Dust generated may be hazardous to the environment.

13 – Disposal Considerations

Dispose of the material as industrial waste.

Note: When disposing of the product out side of Thailand, conform to applied laws and regulations in that country or territory.

14 – Transport Information

Proper Shipping Name: Not regulated

UN Number: None

Hazard Class/Packing Group: None

Labels Required: None

15 – Regulatory Information

This product is followed by the competent regulations in an applicable country or region

16 – Other Information

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