

Material Safety Data Sheet

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Date: June 10, 2024

1. IDENTIFICATION OF THE PREPARATION AND THE COMPANY

PRODUCT NAME: SILVER PIGMENT PASTE
ALL GRADES
MANUFACTURER: SHANDONG JIE HAN METAL MATERIAL CO.,LTD
ADD: 102ROOM, HUANGJIN 99, JIANGSHUI QUAN ROAD LI
XIA DISTRICT JINAN CITY SHAN DONG CHINA 250033

2. INGREDIENTS

	CAS No.	PERCENT (wt)
Aluminium Flake:	7429-90-5	65%
High Boiling Point Mineral Oil:	8042-47-5	35%

3. HAZARDS IDENTIFICATION

PHYSICAL AND CHEMICAL HAZARDS: Flammable only when heated to a temperature equal to or higher than its flash point. Not self-igniting. Not explosive.

ADVERSE HUMAN HEALTH HAZARDS: Skin irritation resulting from solvent. Mild irritation by swallowing and inhalation.

ENVIRONMENT HAZARDS: May cause slight adverse effects to aquatic environment.

4. HEALTH EFFECTS & FIRST AID PROCEDURES

EYE CONTACT: Contact with the eyes may cause irritation. Flush eyes with clear water 15 minutes or until irritation subside. Call a physician if irritation persists.

SKIN CONTACT: Prolonged or repeated skin contact may cause mild irritation and possible dermatitis. Remove contaminated clothing, wash skin with soap and water.

INHALATION: Remove from the exposure and supply fresh air. If necessary, call a physician.

INGESTION: If necessary, call a physician.

5. FIRE FIGHTING METHOD & MEDIA:

EXTINGUISHING MEDIA: Dry sand. Special powder for metal fires. Do not use water.

PROTECTIVE EQUIPMENT: Wear fully protective suit.

Cover the fire with dry sand or mica powder and allow it to sit quietly until it has cooled. Refer to Part 4 for emergent cases if necessary.

6. ACCIDENTAL RELEASE MEASURES:

When accidental spillage occurs, the paste can be swept up and absorbed with suitable fire fighting materials such as dry sand. Using non-sparking tools transfer spilled materials to a leak proof container. Person handling this shall be in proper personal protective equipment

7. HANDLING & STORAGE

WASTE DISPOSAL METHOD: Dispose in approved hazardous waste landfill.

HANDLING AND STORAGE METHODS:

In transferring aluminum paste, prevent formation of dust. Use non-sparking handling equipment. Aluminum paste stored in warehouses should be stored in original shipping containers and kept tightly sealed. Avoid contacting the aluminum paste with water. Store in a cool, dry location. Protect from heat, electrostatic charges, and ignition sources.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**ENGINEERING MEASURE:**

Local exhaust ventilation, explosion proof and avoid possible source of ignition and open lights

PERSONAL PROTECTIVE EQUIPMENT:

RESPIRATORY: Use approved respirator

EYE: Safety goggles

HAND: Chemical resistant gloves

SKIN AND BODY: Avoid constant contact and use protective cream when necessary

9. CHEMICAL & PHYSICAL PROPERTIES

PHYSICAL FORM:	Paste
COLOR:	Silver-colored
ODOUR:	Light aliphatic odor
MELTING POINT (SOLID CONTENT):	600 °C
BOILING POINT (SOLID CONTENT):	2056 °C
BOILING POINT (SOLVENT):	200-250 °C
IGNITION POINT:	>300 °C
FLASH POINT (SOLVENT):	81 °C
EXPLOSION UPPER LIMIT % (V/V):	7, 0 Vo1 % (solvent)
EXPLOSION BOTTOM LIMIT % (V/V):	0, 6 Vo1 % (solvent)
SATURATION VAPOR PRESSURE:	<10HPA(solvent)
RELATIVE DENSITY: (WATER= 1):	1.4- 1.6 g/cm ³
SOLUBILITY :	Insoluble in water

The product is not self-igniting and not explosive.

10. REACTIVITY

STABILITY: Stable under normal storage conditions

CONDITIONS AND MATERIALS TO AVOID:

High temperatures, open flames, open light, water, acids, alkalis and strong oxidizing agents, and electric spark of static electricity.

11. TOXICOLOGICAL INFORMATION

Aluminum : No toxic effect

Solvent : Nontoxic

Refer to Part 4 for additional information.

12. ECOLOGICAL INFORMATION

BIODEGRADABILITY: The solvent is easy to be degraded and can be get rid of by waste water processing equipment. The solid content is not easy to be degraded.

BIOACCUMULATION: It is estimated that no acute toxicity to aquatic organisms and no long-term adverse hazards to aquatic system. Prevent product from reaching ground water, sewage system, and water course.

13. DISPOSAL CONSIDERATION

Dispose it using approved hazardous waste company, complying with the local regulations. Do not allow product to reach sewage system.

14. TRANSPORT INFORMATION

GENERAL: Flammable only when heated to a temperature equal to or higher than its flash point. Not self-igniting. Not explosive.

PACKAGING METHOD: Packed with plastic bags inside iron drums

Transport the paste with care, avoiding direct sunlight and rain-water. Handling and precautionary measures are taken to comply with local regulations.

15. REGULATORY INFORMATION

RISK PHRASES: R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

SAFETY PHRASE: S7/8 Keep container tightly closed and dry.

S24/25 Avoid contact with skin and eye.

S43 In case of fire, use dry sand. Never use water.

16. REMARKS

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