

# spherical Aluminum powder

( <500um )

## SAFETY DATA SHEET

according to GHS(sixth revised edition)

### Section 1 - Product and Company Identification

Product name shan dong jie han metal material co.,ltd

Applicant name spherical aluiminum powder

Application address **QINGYANG TOWN ZOU PING** COUNTRY, SHANDONG

Applicant post code 250000

Applicant fax +86-0531-88823503

Applicant emergency number +86-18254114470

Applicant email :elva@jhaluminiumpaste.com

### Section 2 –Hazards Identification

Hazard class and label elements of the substance according to GHS(the sixth revised edition):

GHS hazard class

Physical hazard(s) **Pyrophoric solids category1**

Substances and mixtures which, in contact with water, emit flammable gases **category2**



Signal **Danger**  
Hazard statement(s)

H250 Catches fire spontaneously if exposed to air  
H261 In contact with water releases flammable gas

### **Precautionary statements**

**Prevention** P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition

P222 Do not allow contact with air.

P223 Do not allow contact with water.

P231+P232 Handle and store contents under inert gas. Protect from moisture.

P233 Keep container tightly closed.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response** P302+P335+P334 IF ON SKIN: Brush off loose particles from skin. Immerse in

cool water [or wrap in wet bandages].

**Storage** P402+P404 Store in a dry place. Store in a closed container.

**Disposal** P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

## **Section 3 – Composition/Information on Ingredients**

Component	Concentration(%)	CAS No.	EC No.
Aluminum	>98.5	7429-90-5	231-072-3

## **Section 4 – First Aid Measures**

**After skin contact** Wash off with soap and plenty of water. Consult a physician.

**After eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**After ingestion** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**After inhalation** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician

## **Section 5 – Fire Fighting Measures**

**Hazardous products of combustion** Aluminium oxide

**Extinguishing method** Dry powder Carbon dioxide

**Special protective equipment** Wear self contained breathing apparatus for fire fighting if necessary.

## **Section 6 – Accidental Release Measure**

### **Personal protective measures**

Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

## **Environmental protective measures**

Prevent the spills inflow to a sewer and then place in suitable container.

## **Methods for taking in and cleaningup**

Pick up and arrange disposal without creating dust. Sweep up and shovel.

Keep in

suitable, closed containers for disposal.

## **Section 7 – Handling and Storage**

**Handling** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide

appropriate exhaust ventilation at places where dust is formed.

**Storage** Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

## **Section 8 – Exposure Controls/Personal Protection**

**Engineering Controls** Safety shower and eye bath. Mechanical exhaust required. Respiratory protection Use a full-face supplied air respirator.

**Eye protection** Wear chemical goggles.

**Hand Protection** Wear impervious chemical resistant gloves.

**Body protection** Protective work clothing.

## **Section 9 – Physical and Chemical Properties**

**Appearance and properties:** Gray powder Odor: No data available

**Odor threshold:** No data available pH value: No data available

**Melting point/freezing point( °C):** 660 Initial boiling point and boiling range( °C): 2467

**Flash point( °C)(closed cup):** No data available

**Evaporation Rate:** No data available

**Flammability:** No data available

**Upper explosive limit%(V/V):** No data available

**Lower explosive limit%(V/V):** No data available

**Vapor pressure(MPa):** No data available

**Vapor density(g/mL):** No data available

**Relative density(g/cm<sup>3</sup>):** 2.7 (20°C)

**Solubility:** No data available

**Octanol / water partition coefficient:** No data available

**Auto-ignition temperature( °C):** 400

**Decomposition temperature( °C):** No data available

**Kinematic viscosity (mm<sup>2</sup>/s):** No data available

## **section 10 – Stability and Reactivity**

**Reactive** No data available.

**Chemical stability** **Stable** under the condition recommended.

**Possibility of hazardous reactions** Reacts violently with water.

Avoid conditions Moisture.

**Incompatible materials** Acid, chloride, halogen, antioxidant, alkali, oxygen.

**Hazardous decomposition products** No data available.

## Section 11 – Toxicological Information

**Acute toxicity:** No data available.

**Skin corrosion/irritation:** No data available.

**Serious eye damage/eye irritation:** No data available.

**Respiratory or skin sensitization:** No data available.

**Germ cell mutagenicity:** No data available.

**Carcinogenicity:** No data available.

**Reproductive toxicity:** No data available.

**Specific target organ toxicity – single exposure:** No data available.

**Specific target organ toxicity – repeated exposure:** No data available.

**Aspiration hazard:** No data available.

## Section 12 – Ecological Information

**Toxicity:** No data available.

**Persistence and degradability:** No data available.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects:** No data available.

## Section 13 – Disposal Considerations

**Property of waste:** Hazardous Waste.

**Methods of disposal:** Dispose of in a manner consistent with federal, state, and local regulations.

**Precautions of disposal:** Professional processing together.

## Section 14 - Transport Information

IATA76031000.00

UN number: 1396

UN proper shipping name: ALUMINIUM POWDER, UNCOATED

Transportation primary hazard class: 4.3

Transportation secondary hazard class: —

Packing group: II

## Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
Aluminum	√	√	√	√

Note 1:

CHINA - China Inventory of Existing Chemical Substances (IECSC )

TSCA - United States Inventory of Toxic Substances Control Act Chemical Substances (TSCA )

ENCS - Japan Existing and New Chemical Substances (ENCS )

EINECS - European Inventory of Existing Commercial Chemical Substances  
(EINECS )

**Note 2:**

"√" Indicates that the substance included in the regulations

"-" That no data or included in the regulations

## **Section 16 - Additional Information**

**Prepared by:** Changzhou Testing Center of Entry-Exit Industrial and Consumable Products

**Completion Date:** nov 18, 2017

**Modification statement:** Original. Please update before the implementation of the GHS Seventh revised edition.

**Other information:** This Safety Data Sheet (SDS) was prepared according to UN GHS (the sixth revised edition) and the information included is based on the present state of our knowledge.

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