



SAFETY DATA SHEET (SDS)

According to the UN GHS revision 11

1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Name: Qingdao Zhongwang Sanchang Aluminum Co., Ltd.

Address: No. 811, Xiangyuan Road, High-tech Zone, Qingdao

Product Name: 6061 Aluminum plate

Tel: +86-14753225867

Emergency Telephone: +86-14753225867

E-mail: 1049044693@qq.com

2: HAZARDS IDENTIFICATION

Summary of emergency

Silver metallic solid, Odorless, Not a hazardous substance or mixture.

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Pictogram(s): Not a hazardous substance or mixture.

Signal word: Not a hazardous substance or mixture.

Hazard statement(s): Not a hazardous substance or mixture.

Precautionary statement(s)

Prevention: none

Response: none

Storage: none

Disposal: none

2.3 Other hazards which do not result in classification

no data available

3: COMPONENTS INFORMATION

Chemical Name	Proportion (%)	CAS No.	EINECS No.
Iron (Fe)	<0.70	7439-89-6	231-096-4
Silicon (Si)	0.40 ~ 0.80	7440-21-3	231-130-8
Copper (Cu)	0.15 ~ 0.40	7440-50-8	231-159-6
Manganese (Mn)	<0.15	7439-96-5	231-105-1
Magnesium (Mg)	0.80 ~ 1.20	7439-95-4	231-104-6

Chromium (Cr)	0.04 ~ 0.35	7440-47-3	231-157-5
Zinc (Zn)	<0.25	7440-66-6	231-175-3
Titanium (Ti)	<0.15	7440-32-6	231-142-3
Aluminium (Al)	Allowance	7429-90-5	231-072-3

4: FIRST AID MEASURES

4.1 Description of necessary first-aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

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

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes.

If swallowed

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

4.2 Most important symptoms/effects, acute and delayed

no data available

4.3 Indication of immediate medical attention and special treatment needed, if necessary

no data available

5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides.

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures Avoid dust formation.

Use personal protective equipment. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. For personal protection, see section 8.

6.2 Environmental precautions

Collect in a suitable container.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Keep the workplace well-ventilated and away from heat sources. Avoid eye contact; in case of contact, wash with soap and water.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, and well-ventilated area, avoiding direct sunlight. Keep away from food, water sources, open flames, and heat sources, as well as incompatible substances such as strong oxidizing agents and strong acids. The recommended storage temperature is below 28°C.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure limit values
no data available

8.2 Appropriate engineering controls

Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Respiratory protection

Where ventilation is inadequate or risk of inhaling dust/fumes exists, wear appropriate respiratory protection (e.g., particulate respirator or full-face respirator).

Hand protection

Wear chemically resistant protective gloves (Nitrile rubber or Latex recommended). Inspect gloves before use and wash hands thoroughly after removal.

Eye protection

Wear tightly fitting safety goggles to protect against splashes or dust.

Skin and body protection

Wear impervious protective clothing (e.g., lab coat or long-sleeved workwear) to cover exposed skin. Avoid direct skin contact with the substance.

9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- a) Appearance Form: Silver metallic solid
- b) Odour: Odorless
- c) Odour Threshold: No data available
- d) pH: No data available
- e) Melting point/freezing point: >650 °C
- f) Initial boiling point and boiling range: No data available
- g) Flash point: >800 °C
- h) Evaporation rate: No data available
- i) Flammability (solid, gas): No data available
- j) Upper/lower flammability or explosive limits: No data available
- k) Vapour pressure: No data available
- l) Vapour density: No data available
- m) Relative density: 2.70~ 2.75 g/cm³, 20°C
- n) Water solubility: Insoluble in water
- o) Partition coefficient: noctanol/water: No data available
- p) Auto-ignition temperature: No data available
- q) Decomposition temperature: No data available
- r) Viscosity: No data available
- s) Explosive properties: No data available
- t) Oxidizing properties: No data available

10: STABILITY AND REACTIVITY DATA

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

In the event of fire: see section 5

11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - > 90.000 mg/kg

No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

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

Additional Information

RTECS: ZC0110000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

No ecological problems are to be expected when the product is handled and used with due care and attention.

Other adverse effects No further relevant information available.

13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods Product

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14: TRANSPORT INFORMATION

UN Number

ADR/RID: No

IMDG: No

IATA: No

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard Class(es)

ADR/RID: No

IMDG: No

IATA: No

Packaging group

ADR/RID: No

IMDG: No

IATA: No

Environmental hazards

IMDG Marine pollutant: No

Packing method: packing according to the method recommended by the manufacturer.

Cautions during transportation:

Transport vehicles shall be equipped with appropriate types and quantities of firefighting and emergency leakage treatment equipment.

Mixing with oxidizing agents, foodstuffs, etc., is prohibited.

Do not use mechanical equipment or tools that produce sparks.

Materials in transit should be protected from sunlight, rain, and high temperatures.

Keep away from fire, heat sources, and high-temperature areas.

15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the European Inventory of Existing Commercial Chemical Substances (EINECS): Not Listed.

EC Inventory: Not Listed.

United States Toxic Substances Control Act (TSCA) Inventory: Not Listed.

China Catalog of Hazardous chemicals 2015: Not Listed.

New Zealand Inventory of Chemicals (NZIoC): Listed.

Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed.

Vietnam National Chemical Inventory: Listed.

China Chemical Inventory of Existing Chemical Substances (China IECSC): Listed.

Korea Existing Chemicals List (KECL): Listed.

16: OTHER INFORMATION

The information provided in this Safety Data Sheet is believed to be correct as of the date hereof and is offered in good faith. However, since the conditions of use and handling of the product are beyond our control, it is the user's responsibility to determine the suitability and safety of the product for their specific application.

Compile: ANNMOS(SHANGHAI) CO., LTD.

