



Shanghai King Chemical Co.,Ltd

Tel: +86-21-67817854 Fax: +86-21-67817855

Address: ROOM CDEF , 9th Floor, Building D, Weijing Center Tower
NO.2337 GuDai Road, Minhang District, Shanghai, China

Technical specification for chemical safety

Part I Chemical products and enterprise identification

Chinese name of chemical: Aluminum paste

Chemical Name: Aluminum Pigment

Other name: High-end oily imitation electroplating aluminum paste 5509

Enterprise name: Shanghai King Chemical Co.,Ltd

Address: ROOM CDEF , 9th Floor, Building D, Weijing Center Tower, NO.2337
GuDai Road , Minhang District, Shanghai, China

Zip code: 201199

Tel: +86-21-67817854

Email address: cratos@shkingchem.com

Recommended use: Silver metal pigment, mainly used as silver metal coating effect,
radiation protection effect.

Restricted use: This product shall not be used in food processing.

MSDS No. : JCSY-MDSS-5509

Originally prepared: 2010-01-06

Revised: 2020-06-08

Effective: 2020-10-16

Part II Overview of risk

Danger category: Class 3.3 flammable liquids

Invasion route: Ingestion by inhalation and percutaneous absorption

Health hazards: Inhalation of volatile gas may cause slight discomfort, accidental
ingestion may cause vomiting, bronchopulmonary edema, etc.

Environmental hazard: Slight contamination of water source or farmland. Contact
local government immediately.

Explosion hazard: in case of open fire, high heat and oxidizer, there is danger of
combustion and explosion.

Pictogram:



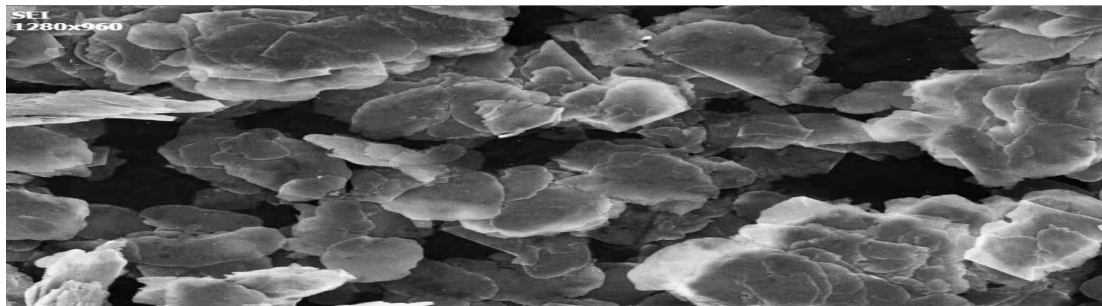
Part III Component information



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This chemical is a mixture.

Chemical composition	percentage (%)	CAS NO.
Flake aluminum	58%	7429-90-5
Solvent oil	18%	64741-66-8
Ethyl silicate	24%	647441-66-8

Part IV First aid measures

Skin contact: Remove all contaminated clothing immediately. Rinse skin with water and shower.

Eye contact: Immediately lift eyelid, rinse thoroughly with plenty of running water.

Inhalation: Remove quickly from the scene to fresh air. Give artificial respiration if necessary. Go to a doctor.

Ingestion: Vomiting, seek medical advice immediately.

Part V Fire control measures

Danger: Flame, high heat, oxidizer may cause combustion and explosion danger.

Harmful combustion products: Carbon monoxide, carbon dioxide

Fire extinguishing method and extinguishing agent: Sand, dry powder, carbon dioxide.

Precautions for extinguishing fire: Do not use water to extinguish fire. Water may cause hydrogenation reaction of aluminum and silver slurry. Do not use halogen extinguisher, which may lead to explosion.

Part VI Emergency treatment of leakage

Emergency treatment: Use tools such as shovels and spoons that will not produce sparks to transfer the leakage to sealed containers so as not to volatilize solvents and avoid fire sources. Do not vacuum clean.

Cleaning method: Use insulating tools to concentrate the leakage into a special container for waste disposal that can be sealed.



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Part VII Operation, disposal and storage

Precautions for operation: It is best to operate in a well-ventilated place, do not smoke, and do not expose the container to the air to avoid solvent volatilization.

Storage precautions: Keep away from open fire, high temperature and high static area, keep indoor ventilation, indoor temperature does not exceed 40°C.

Part VIII Contact control and personal protection

Maximum allowable concentration: 100PPM

Temporary measurement method: No data

Engineering control: Tightly sealed, provide sufficient local exhaust.

Respiratory protection: Wear a protective mask

Hand protection: Wear protective gloves

Eye protection: Wear protective glasses

Skin and body protection: Wear protective clothing

Part IX Physical and chemical properties

Appearance and properties: Silvery gray moist solid, with light aroma.

PH value: No data **Available Melting point (° C) :** No data available

Boiling point (°C) : >35 **Relative density (water =1) :** 1.105-1.120

Flash point (°C) : > 93 **Flash point (°C) :** > 93

Relative vapor density (air =1): No data

Available saturated vapor pressure (kPa): No data available

Heat of combustion (kJ/mol) : No data **Critical temperature (°C) :** No data

Critical pressure (MPa) : No data available

octanol/water partition coefficient: No data available

Explosion lower limit [% (V/V)] : No data

Explosion upper limit [% (V/V)] : No data

Molecular formula: No data **Size (µm) :** 9

Solubility: Insoluble in water, but soluble in benzene, alcohol, ether, and other organic solvents.

Main uses: Silver metal pigment, mainly used as coating silver metal effect effect, radiation effect, etc.

Part X Stability and reactivity

Stability: Stable at room temperature and pressure

Forbidden match: Water, acid and base

Avoid contact conditions: No data available



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Convergence damage: cannot appear

Decomposition products: Carbon monoxide, carbon dioxide.

Dangerous reaction: Contact with water, acid and base, hydrogen decomposition will be produced.

Part XI Toxicological data

Acute toxicity: No data available

Subacute and chronic toxicity: No data available

Irritant: No data available

Mutagenicity: No data available

Teratogenicity: No data available

Carcinogenicity: No data available

Others: No data available

Part XII Ecological data

Ecotoxicity: Data unavailable

Biodegradability: No data available

Non-biodegradability: No data available

Bioaccumulation or bioaccumulation: No data available

Other harmful effects: No data available

Part XIII Waste disposal

Nature of waste: Hazardous waste

Waste disposal: Store in professional disposal of waste in airtight containers.

Disposal precautions: the disposal of the product and container should be recycled by a qualified waste disposal agency.

Part XIV Transportation Information

Dangerous Goods No. : 33646

UN number: No data available

Category of packaging: III

Packing: Iron drums lined with plastic bags

Transportation precautions: Handle with care, avoid violent collision

Part XV Regulatory Information

Regulatory information: Applicable to the scope of Chinese laws



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Section XVI Other Information

Reference: ISO1247-93

Filing department: Technical Department