

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Material Name: Silver Powder.
Catalogue Number: C920.
Other Names: Silver (metallic).
Recommended Use: Ingredient for conductive glues greases and paints.

Supplier Name: ProSciTech
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444 **Fax Number:** (07) 4773 2244
Emergency Contact: (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Hazardous according to criteria of NOHSC.
Hazardous and/or Dangerous Nature: HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS.
Risk Phrases: R36/37 Irritating to eyes and respiratory system.
Safety Phrases: S20/21 When using, do not eat, drink or smoke.
 S25 Avoid contact with eyes.
 S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 S35 This material and its container must be disposed of in a safe way.
 S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE: **Chemical Identity:** Silver Powder.
Common Name(s): Silver (metallic).
CAS Number(s): 7440-22-4

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
Silver (metallic)	7440-22-4	>99

SECTION 4 - FIRST AID MEASURES

Swallowed: If patient is conscious, drink at least two large glasses of milk or water. DO NOT induce vomiting. Obtain immediate medical attention.
Eye: Flush with water, including under lids, for at least 15 minutes. Seek medical attention.
Skin: Remove contaminated clothing and shoes. Wash affected areas with soap and water. Obtain medical advice in event of prolonged irritation
Inhaled: Remove patient to fresh air. Support breathing as required. Obtain medical treatment for irritation or difficulty in breathing.
First Aid Facilities: Eyebath/eyewash & Safety shower.
Medical Attention & Special Treatment: Not available.
ADDITIONAL INFORMATION: Not available.

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media: This material does not burn. Use media suitable for surrounding fire.
Hazards from Combustion Products: None reported.
Precautions for Fire Fighters: Wear self-contained breathing apparatus and full protective gear if fully involved in a fire. Prevent run off water from entering sanitary and storm drains if possible.
Hazchem Code: Not available.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Not available.

Containment and clean up:

Wear suitable protective clothing including gloves and eye protection. Do not allow material to enter sanitary sewers, storm sewers, or waterways. Absorb or vacuum material and place in container for disposal.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:

Use with adequate ventilation. Do not breathe powder or dust. Wash hands after handling and before eating or smoking.

Conditions for Safe Storage:

Store in a cool, dry place away from incompatible materials. Keep container tightly closed except when transferring material.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards: TWA 0.1 mg/m³.

Biological Limit Values: No biological limit allocated.

Engineering Controls:

General or local exhaust to meet exposure limits.

Personal Protective Equipment:

Wear appropriate chemical respirator if ventilation is inadequate to meet exposure limits. Rubber or vinyl gloves. Chemical splash goggles. Rubber apron and long sleeves.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	White, lustrous metal powder
Odour:	Odourless.
pH:	No data found.
Vapour pressure (mm of Hg at 25°C):	No data found.
Vapour density:	No data found.
Boiling point/range (°C):	Boiling Point 2193°C.
Freezing/melting point (°C):	Freezing Point 960°C.
Solubility:	Insoluble in water.
Specific gravity or density:	(H ₂ O = 1):10.5
Flash Point:	No data found.
Flammable (explosive) limits:	No data found.
Ignition temperature:	No data found
Additional Information:	

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to avoid:	Contact with incompatible materials.
Incompatible Materials:	Strong acids, bases and oxidizing agents, ammonia, acetylene and hydrogen peroxide.
Hazardous Decomposition Products:	None reported.
Hazardous Reactions:	Will not occur.

SECTION 11 - TOXICOLOGICAL INFORMATION

Exposure and Health Effects:

Ingestion:

Non-specific symptoms may occur due to presence of particulate matter.

Inhalation:

Causes mild, non-specific irritation of nasal passages.

Skin Contact:

No effect reported.

Eye Contact:

Particles are extremely irritating to eyes.

Human/Animal data: 330 mg/kg (rat, multiple methods of administration).

Carcinogenicity: Non-Carcinogenic.

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity: No data found.

Persistence and degradability: No data found.

Mobility: No data found.

Additional Information: This material should be considered as harmful to aquatic life.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:

Dispose in compliance with all federal, state, and local laws and regulations.

Special Precautions:

Do not flush to storm or sanitary sewers or allow to enter other waterways.

SECTION 14 - TRANSPORT INFORMATION

UN Number: Not regulated.

UN Proper Shipping Name: Not regulated.

Class and Subsidiary risk: Not regulated.

Packing Group: Not regulated.

Special Precautions for User: Not available.

Hazchem Code: Not available.

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number: None allocated.

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS: July 10

Comments:

The information published in this Material Safety Data Sheet has been compiled from data in various technical publications. It is the user's responsibility to determine the suitability of this information for adoption of necessary safety precautions. We reserve the right to revise material Safety Data Sheets as new information becomes available. Copies may be made for non-profit use.