Eden System
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MATERIAL SAFETY DATA SHEET

REVISION NO. 2 June 2007

1. PRODUCT INFORMATION

Product Name : SILVER DOLLAR

Chemical Symbol	: Al	White Mineral Spirit	High Aromatic Petroleum Solvent
CAS No.	: 7429-90-5	64742-88-7	8030-30-5
EINECS No.	: Not available		

2. ITEM NO. :

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS NO.	UN NO
Aluminium	7429-90-5	

4. HAZARDS

Health Hazard - Not available. Repeated or prolonged exposure is not known to aggravate medical condition.
Environmental -
Physical -
Chemical - Spillage may cause fire or liberate poisonous gas

5. HANDLING AND STORAGE

Handling : Avoid breathing dust.
Storage: Keep container tightly closed. Keep from any possible contact with water. Do not allow water to get into container because of violent reaction.

6. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits - Workplace Exposure
Aluminium - TWA: 10(mg/m³) OSHA (PEL) U.S., respirable
TWA: 15 (mg/m³) from ACGIH (TLV) U.S.

White Mineral Spirit – LC50: 3400PPM/4hr, Rat
High Aromatic Petroleum Solvent – LD50 (Oral): Acute, 4600mg/Kg; Rat

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering Controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure to airborne contaminants below the exposure limit.

Personal Protection

i) Respiratory Protection – Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

ii) Eye Protection – Safety Glasses

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iii) Skin Contact – Lab Coat
iv) Hands – Gloves (impervious)
v) Feet - inapplicable

7. FIRST AID MEASURES

i) **Skin contact**: Wash off with plenty of water and remove contaminated clothing
ii) **Eye contact**: Rinse with plenty of running water. Obtain medical attention if symptoms persist
iii) **Ingestion**: If ingested rinse out mouth and then drink copious amount of water. **Induce vomiting**. Seek medical attention.
iv) **Inhalation**: Move the victim to fresh air – consult a doctor if feeling unwell.

8. FIRE FIGHTING MEASURES

Suitable Extinguishing Agents:

i) CO_2
ii) Sand
iii) Foam
iv) Dry Chemical Powder

Unsuitable Extinguishing Agents

i) Water jet – run off from fire control may cause water pollution

Unsuitable Extinguishing Agents:

i) Water
ii) Halogenated fire extinguisher

Special hazards caused by the substance, its products of combustion or resulting gases:
Not known

9. ACCIDENTAL RELEASE MEASURES

Small Spill and Leak : Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill and Leak: Flammable solid that, in contact with water, emits flammable gases. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Cover With dry earth, sand or other non-combustible material. Prevent entry into sewers, basements Or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

10. PHYSICAL AND CHEMICAL PROPERTIES

Physical State - Solid Paste
Form -
Color - Silvery
Odour - Aromatic
P.H. - N/A
Dispersion Properties - Partially dispersed in n-octanol, acetone. Is not dispersed in cold water, hot water
Solubility **-** Insoluble in cold water, hot water, methanol, diethyl ether, n-octanol, acetone

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11. STABILITY and REACTIVITY

Stability **-** Stable

Compatibility with various substances: Reactive with oxidizing agents, acids. Slightly reactive to Reactive with reducing agents, alkalis, moisture. The product reacts violently with water to emit Flammable but non toxic gases.

Hazardous Polymerization – Will not occur

12. TOXICOLOGICAL INFORMATION

Toxicity to animals – acute oral toxicity (LD50): 4600mg/Kg (rat) (High Aromatic Petroleum Solvent)
Chronic Effects on Humans – not available
Other Toxic effects on humans – No specific information is available in our database regarding the other toxic effects of this material for humans

13. ECOLOGICAL INFORMATION

Mobility/Degradability - Possibly hazardous short term degradation are not likely. However, long term degradation products may arise.

14. DISPOSAL CONSIDERATIONS

Waste : Waste must be disposed of in accordance with federal, state and local environmental control regulations.

15. TRANSPORT INFORMATION

Classification	CLASS 4.1 : Flammable solid
Transport over land ADR/RID class	CLASS 4.1 : Flammable solid
Transport over sea IMDG class	CLASS 4.1 : Flammable solid
Transport over ICAO/IATA class	CLASS 4.1 : Flammable solid

Correct technical name: Environmentally Hazardous substance, solid, N.O.S., Marine Pollutant.

16. REGULATORY INFORMATION

Label: UN classification – 9 Harmful

Risks: Risks Phrase – 22, 36/37	R-22 Harmful if swallowed
	R-36/37 Irritating to eyes and respiratory system.
Safety: Safety Phrase – 22, 25	S-22 Do not breathe dust
	S-25 Avoid contact with eyes

17. OTHER INFORMATION

The information contained herein is based on the present state of our knowledge. It is believed to be reliable but no representation, guarantee of any kind are made.

18. CONTACT DETAILS: for any queries contact us at:

Tel: 852 25721085; Fax: 852 28384965; e-mail: info@metalpowders.biz