

Material Safety Data Sheet / Safety Data sheet

Eckart 5413 (Aluminium Powder)

Section 1: Chemical Product Identifier and Synonyms

Product Name: Aluminium Metal Powder (Stabilised)

UN Number: 1396

CAS Number: 7429-90-5

Synonym: Not available.

Chemical Formula: Al

Section 2: Composition and Information on Ingredients

Composition

Name	CAS Number:	% By Weight
Aluminium	7429-90-5	100%

Toxicology Data On Ingredients: Aluminium LD50: Not Available. LC50: Not Available

Section 3: Hazards Identification

In contact with water releases flammable gas. Can catch fire spontaneously if exposed to air.

Section 4: First Aid Measures

Eye Contact:

Wash thoroughly with plenty of water for at least 10 minutes, holding the eye open. OBTAIN MEDICAL ATTENTION.

Skin Contact:

Wash off skin thoroughly with water. Remove contaminated clothing immediately and wash before re-use. If discomfort persists OBTAIN MEDICAL ATTENTION.

Inhalation:

Remove from exposure. Keep warm and at rest. If conscious place in a sitting position. If there is difficulty in breathing give oxygen if available. If breathing stops or shows signs of failing, apply artificial resuscitation. OBTAIN MEDICAL ATTENTION.

Ingestion:

If conscious give plenty of water to drink. Do not induce vomiting. OBTAIN MEDICAL ATTENTION URGENTLY.

Section 5: Fire and Explosion Data

Flammability of the Product: This product is flammable.

Auto-Ignition Temperature: Not available.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Releases flammable gas in contact with water, acids or other aqueous solutions.

Explosion Hazards in Presence of Various Substances: Not available.

Risks of explosion of the product in presence of mechanical impact: Not available.

Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Dry Powder.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures**Small and Large Spill:**

Use approved personal protective equipment. Avoid breathing dust–wear respiratory protective equipment. Ensure no sources of ignition. Avoid raising dust clouds– explosion risk. Prevent entry into sewers, basements or confined areas. Call for assistance on disposal.

Section 7: Handling and Storage**Precautions:**

Keep locked up. Keep container dry. Do not ingest. Do not breathe dust. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from water, acids or other aqueous solutions.

Storage:

Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls / Personal Protection

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 limit.

Personal Protection:

Splash goggles. Synthetic apron. Vapour and dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:

Splash goggles. Full suit. Vapour and dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:

Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Fine Powder.

Odour: Not available.

Taste: Not available.

Molecular Weight: Not available.

Colour: Grey.

pH (1% soln/water): Not available.

Boiling Point: 2500.0 °C

Melting Point: 660.0 °C

Critical Temperature: Not available.

Specific Gravity: Not available. (Water = 1)

Vapour Pressure: Not available.

Vapour Density: Not available.

Volatility: Not available.

Odour Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Not available.

Section 10: Stability and Reactivity Data

Stability: The product is stable under normal conditions.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Releases flammable gas in contact with water, acids or other aqueous solutions.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals: (LD50): Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: The dust is irritating to the eyes. Particles deposited in the eye may cause necrosis of the cornea.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short-term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Information

Waste Disposal: Dispose of in accordance with local regulations

Section 14: Transport Information

DOT Classification: Dangerous when wet.

Identification: Aluminum Powder (Uncoated). UN1396. PG: II

Special Provisions for Transport: Not available.

Section 15: Regulatory Information

Regulations: Labelling according to Regulation (EC) No 1272/2008.

Section 16: Other Information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials. The author will not be held liable for any damage or injury caused by this product and does not obviate the requirement for end users to carry out their own workplace and specific use risk assessment.

Date of Publication: 19th May 2017