

XI'AN FUNCTION MATERIAL GROUP CO., LTD

Material Safety Data Sheet Aluminum

1. Product and Company Identification

Trade Name: Aluminum

Chemical Formula: A1

Manufacturer/Supplier: XI'AN FUNCTION MATERIAL GROUP CO., LTD

Street: No. 69, Gazelle Valley, High-Tech Zone

XI'AN City: State: Shaanxi Zip Code: 710077 Country: China

Tel #: +86-29-88993870/+86-13519132051

2. Hazards Identification

Signal Word: Danger



Hazard Statements: H250: Catches fire spontaneously if exposed to air

H261: In contact with water releases flammable gas

EUH018: In use may form combustible dust concentrations in air

Precautionary Statements:

P210: Keep away from heat/sparks/open flames/hot surfaces – No

smoking

P222: Do not allow contact with air

P223: Keep away from any possible contact with water, because of

violent reaction and possible flash fire

P241: Use explosion-proof electrical/ventilating/light/equipment

P280: Wear protective gloves/protective clothing/eye protection/face

protection

P231+P232: Handle under inert gas. Protect from moisture P335+P334: Brush off loose particles from skin. Immerse in cool

water/wrap in wet bandages

P370+P378: In case of fire: Use fire-fighting equipment on basis class

D for extinction

P402+P404: Store in a dry place. Store in a closed container

P403+P233: Store in a well-ventilated place. Keep container tightly

closed

P501: Dispose of contents/container in accordance with

local/regional/national/international regulations

HMIS Health Ratings (0-4):

Health: 1 Flammability: 3 Physical: 2

3. Composition	
Traditional Fundos.	Total
Aluminum (Al)	100
Percentage: CAS #:	100 wt% 7429-90-5
EC#:	231-072-3
	4. First Aid Procedures
General Treatment:	Seek medical attention if symptoms persist.
Special Treatment:	None
Important Symptoms:	N/A
Inhalation:	Remove victim to fresh air. Supply oxygen if breathing is difficult.
	Seek medical attention.
Ingestion:	Rinse mouth with water. Do not induce vomiting. Seek medical attention.
Skin:	Wash affected area with mild soap and water. Remove any
	contaminated clothing. Seek medical attention.
Eyes:	Flush eyes with water, blinking often for several minutes. Remove
	contact lenses if present and easy to do. Continue rinsing. Seek medica attention.
	attention.
	5. Firefighting Measures
Flammability:	Flammable as powder
Extinguishing Media:	Do not use water for metal fires. Do not use halogenated extinguishing
	agents or foam. Use CO ₂ , Dry chemical, Dry sand, Dry clay, Limestone
Spec. Fire Fighting Procedure:	powder; approved class D extinguishers. Use full-face, self-contained breathing apparatus with full protective
Spec. The Fighting Frocedure.	clothing to prevent contact with skin and eyes. See section 10 for
	decomposition products.
	6. Accidental Release Measures
If Matarial Is Palassad/Spilled	Wear appropriate respiratory and protective equipment specified in
If Material Is Released/Spilled:	special protection information. Isolate spill area and provide
	ventilation. Vacuum up spill using a high efficiency particulate
	absolute (HEPA) air filter and place in a closed container for disposal.
	Take care not to raise dust.
Environmental Precautions:	Isolate runoff to prevent environmental pollution.
	7. Handling and Storage
Handling Conditions:	Handle under inert gas. Protect from moisture. Wash thoroughly after
Storage Conditions:	handling. Store in a cool dry place in a tightly sealed container. Store apart from
-	materials and conditions listed in section 10.
Work/Hygienic Maintenance:	Do not use tobacco or food in work area. Wash thoroughly before
	eating and smoking. Do not blow dust off clothing or skin with
Ventilation:	compressed air. Provide sufficient ventilation to maintain concentration at or below
, chalanon.	threshold limit.

8. Exposure Controls and Personal Protection 15mg/m³ as Al, long term-value Permissible Exposure Limits: Threshold Limit Value: 1mg/m³ as Al, long term-value None Special Equipment: **Respiratory Protection:** Use a recommended dust respirator or mask. Only use equipment tested and approved under appropriate government standards. Protective Gloves: Rubber gloves Eve Protection: Safety glasses or goggles **Body Protection:** Protective work clothing. Wear close-toed shoes and long sleeves/pants. 9. Physical and Chemical Characteristics Color Grey Form: Powder, Granules, Pellets, Sputtering target, Custom parts Odor: Odorless Water Solubility: Insoluble **Boiling Point:** 2327 °C **Melting Point:** 660 °C Flash Point: N/A Autoignition Temperature: 400 °C Density: 2.7020 g/cm³ 26.98 g/mol Molecular weight: 10. Reactivity Stability: Stable under recommended storage conditions Water, Strong acids, Strong bases, Alcohols, Halogens, Halogenated Reacts With: compounds, CO₂ Spontaneously flammable in air, Moisture sensitive, Air sensitive, **Incompatible Conditions:** Hazardous Decomposition Products: Hydrogen, Fumes of aluminum or aluminum oxide 11. Toxicological Information Potential Health Effects: Eyes: May cause irritation Skin: May cause irritation Ingestion: May cause irritation Inhalation: May cause irritation Chronic: N/A Signs & Symptoms: N/A **Aggravated Medical Conditions:** N/A Median Lethal Dose: N/A Carcinogen: N/A 12. Ecological Information Aquatic Toxicity: N/A

N/A

N/A

Persistent Bioaccumulation Toxicity:

Notes:

Very Persistent, Very Bioaccumulative: N/A

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13. Disposal Considerations

Dispose of in accordance with local, state, national, and international regulations.

14. Transportation Data

Hazardous: Hazardous as powder only



Hazard Class: 4.3 Dangerous when wet materials

Packing Group: II

UN Number: UN1396

Proper Shipping Name: Aluminium Powder, Uncoated

15. Regulatory Information

Sec 302 Extremely Hazardous:

Sec 304 Reportable Quantities:

No

No

No

Yes

16. Other Information

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products.

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