Safety Data Sheet (SDS)

Revision Date: May 6, 2015

SECTION 1 — CHEMICAL PRODUCT	AND COMPANY IDENTIFICATION
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Aluminum

AAD3000, AAD3001, AAD3003, AAD3004, AAD3005, AAD3027, AAD3029, AR00814, AR00815, AXR505, AXR535, AXR540, AXR545, AXR547

Alpha Resources, Inc. This product is intended for laboratory use in elemental analysis.

Alpha Resources Inc. 3090 Johnson Rd. Stevensville, MI 49127 (269)465-5559

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word

WARNING

Pictograms

SECTION 2— HAZARDS IDENTIFICATION	AL
Hazard Class: Acute aquatic toxicity (category 1) and chronic aquatic toxicity (category 1).	
Hazard Statements: Very toxic to aquatic life with long lasting effects (H410)	
Precautionary Statements : Avoid release to the environment (P273), collect spillage (P391), and dispose of contents/container to an approved waste disposal plant.	
Hazards not otherwise classified or not covered by GHS: Combustible dust	

SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS

Component	CAS#	Concentration
Aluminum	7429-90-5	100%

SECTION 4— FIRST AID MEASURES

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). If not breathing, give artificial respiration. Consult physician.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338). **If eye irritation persists:** Get medical advice or attention (P337+P313).

If on skin: Wash with plenty of water and soap.

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

SECTION 5 — FIRE FIGHTING MEASURES

In case of fire: Use a tri-class dry chemical fire extinguisher, water spray, alcohol-resistant foam, or carbon dioxide. Advice for firefighters: Wear self-contained breathing apparatus if necessary. Special Hazards arising from substance: Aluminum oxide

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Precautions: Use any personal protective equipment that is available to decrease chances of exposure. Avoid dust creation. Avoid breathing dust, vapors, gas, and mist. Move personnel to a safe zone if possible.

Environmental: Don't let product get into water ways or drains.

Method: Sweep up spill and keep dust formation down as much as possible. Keep in sealed vessel for disposal.

SECTION 7 — HANDLING AND STORAGE

Handling: Proper ventilation and approved breathing protection should be provided if over exposure is possible. This material shouldn't be further processed due to the formation of combustible dusts being a possibility.

Storage: Stable under normal laboratory conditions. Keep container closed in a dry well-ventilated area. Store under inert gas because this material is moisture and air sensitive.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Protection: Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264). If exposure limits are exceeded an approved respirator is required.

Environmental: Don't let material get released into water ways or drains.

Component	CAS#	Value	Limit	Basis	
Aluminum	7429-90-5	TWA	5mg/m^3	USA. NIOSH Recommended Exposure Limits	
		TWA	10mg/m^3	USA. NIOSH Recommended Exposure Limits	
		TWA	15mg/m^3	USA. Occupational Exposure Limits (OSHA) Table Z-1 Limits for Air Contaminants	
		TWA	5mg/m^3	USA. Occupational Exposure Limits (OSHA) Table Z-1 Limits for Air Contaminants	
		TWA	1mg/m^3	USA. ACGIH Threshold Limit Values (TLV)	
	Remarks		Lower Respiratory Tract irritation, Pneumoconiosis, Neurotoxicity		
			5mg/m^3	USA. NIOSH Recommended Exposure Limits	

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES						
Silvery foil	Odorless.	Specific gravity: N/A				
Soluble: N/A	Melting Point: N/A					

SECTION 10 — STABILITY AND REACTIVITY

Stability: stable

Incompatibility: Strong oxidizing agents

Reactivity: no data

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute toxicity: no data

Skin corrosion/irritation: no data

Serious eye damage/eye irritation: no data

Respiratory or skin sensitization: no data

Carcinogenicity: No component of this product present at levels greater than or equal to 0.1% is identified as probably, possible or confirmed human carcinogen by IARC, ACGIH, NTP, and OSHA.

Reproductive toxicity: no data

Specific target organ toxicity single/repeated exposure: no data

SECTION 12 — ECOLOGICAL INFORMATION

Toxicity: Toxicity to fish LC50 Oncorhynchus mykiss (rainbow trout)-0.12mg/l (96hr)Mortality LOEC Ctenopharyngodon idella-0.1mg/l (96hr)Persistence and degradability: Result-readily biodegradableBioaccumulative potential: Salvelinus frontinalis (56d)-268 μg/lBioocncentration factor (BCF): 36

Mobility in soil: no data

SECTION 13 — DISPOSAL CONSIDERATIONS

Please review all federal, state and local regulations that may apply before proceeding. Contaminated packaging should be disposed of as unused product would be.

SECTION 14 — TRANSPORT INFORMATION

United States Department of Transportation: Not regulated

IMDG

UN#:3077 Class:9 Packing group:III EMS-No: F-A, S-F Marine pollutant: yes

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Aluminum)

IATA

UN#:3077 Class:9 Packing group:III

Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Aluminum)

Information: EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods>5L for liquids or >5kg for solids.

SECTION 15 - REGULATORY INFORMATION

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title II, Section 302. SARA 313 Components: The material does contain a chemical component with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313: Aluminum CAS#7429-90-5

SARA 311/312 Hazards: none

Massachusetts RTK Components: Aluminum CAS#7429-90-5

Pennsylvania RTK Components: Aluminum CAS#7429-90-5

New Jersey RTK Components: Aluminum CAS#7429-90-5

This product does not contain a chemical known to the State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16 — OTHER INFORMATION

The data and information as stated was furnished by the manufacturer/vendor/supplier of this product. Alpha Resources Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.