

Safety Data Sheet

SDS Name: AMS 1

*** Section 1 - Identification ***

Manufacturer Information

Ampal, Inc.

Phone: 610-826-7020

2125 Little Gap Road

Palmerton, PA 18071

Emergency # 800-424-9300 CHEMTREC

Products: AM61110-XZO, AM61123-A, AM61123-CEM,
AM61123-MEM, AM6112-NAAX, AM6112-VSA, AM6112-ZSA,
AM6112-ZSAS, AM611-A, AM611-ALB, AM611-ATK,
AM611-GEO, AM611-HMT, AM611-MIL, AM611-POT, AM611-R,
AM611-REH, AM611-STD, AM611-UHP, AM611-USA,
AM611-VHP

*** Section 2 - Hazards Identification ***

GHS Classification:

Combustible Dust

Skin Irritation - Category 2

Eye Irritation - Category 2A

Specific Target Organ Toxicity Single Exposure - Category 3

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

Warning

Hazard Statements

May form combustible dust concentrations in air.

Causes skin irritation

Causes serious eye irritation.

May cause respiratory irritation.

Precautionary Statements

Prevention

Wash thoroughly after handling.

Wear protective gloves/protective clothing/eye protection/face protection.

Avoid breathing dust.

Use only outdoors or in a well-ventilated area.

Response

If on skin: Wash with plenty of water. Specific Treatment: wash with soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. If eye irritation persists: Get medical advice/attention.

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Materials and Methods for Clean-Up

Never employ water, have sand pails available. Use non-sparking, non-static generating implements. Sweep gently to avoid dust cloud formation. Wet or contaminated material should be placed in vented containers and moved to a remote area. Use sand or other inert material to contain spill. Place in leak proof containers for proper disposal.

Emergency Measures

Isolate area. Keep unnecessary personnel away.

Personal Precautions and Protective Equipment

Wear appropriate protective clothing and respiratory protection for the situation.

Environmental Precautions

Keep spill out of drains, sewers and waterways.

Prevention of Secondary Hazards

None

*** Section 7 - Handling and Storage ***

Handling Procedures

Use local exhaust ventilation to protect against dust and fume inhalation. If workers are exposed to dust provide appropriate respiratory, eye, and skin protection. An eye wash station should be readily available to areas of use.

Storage Procedures

Protect against water. Store in a cool, dry place away from incompatible chemicals and possible sources of ignition or exposure to prolonged heat. Ground all handling and transfer operations and use explosion-proof electrical equipment. No smoking or open flames.

Incompatibilities

Water, acids, strong alkalis, strong bases, strong oxidizers, silver chloride, iodates, chlorinated hydrocarbons, oxides, nitrites, nitrates, carbon disulfide, chlorides, sodium peroxide plus carbon dioxide, sulfur dichloride, palladium, manganese, magnesium plus potassium chlorate, sodium carbonate, sulfates, diborane.

*** Section 8 - Exposure Controls / Personal Protection ***

Component Exposure Limits

Aluminum (7429-90-5)

ACGIH:	1 mg/m3 TWA (respirable fraction)
OSHA:	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
NIOSH:	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Mexico:	10 mg/m3 TWA LMPE-PPT (dust)

Engineering Measures

Sufficient ventilation, in both volume and pattern, should be provided to keep air contamination below current applicable workplace exposure limits.

Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

Personal Protective Equipment: Hands

Use impervious gloves such as neoprene, nitrile, or rubber for hand protection.

Personal Protective Equipment: Eyes

Wear safety glasses with side shields and/or goggles as necessary to prevent dust from entering eyes.

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Potential Health Effects: Ingestion

Not considered a likely route of exposure under normal product handling conditions. No ingestion health effects are anticipated.

Potential Health Effects: Inhalation

May cause respiratory tract irritation.

Respiratory Organs Sensitization/Skin Sensitization

This product is not reported to have any sensitization effects.

Generative Cell Mutagenicity

This product is not reported to produce mutagenic effects in humans.

Carcinogenicity

A: General Product Information

This product is not reported to have any carcinogenic effects.

B: Component Carcinogenicity

Aluminum (7429-90-5)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

Reproductive Toxicity

This product is not reported to have any reproductive toxicity effects.

Specified Target Organ General Toxicity: Single Exposure

May cause respiratory irritation.

Specified Target Organ General Toxicity: Repeated Exposure

This product is not reported to have any repeat exposure target organ toxicity effects.

Aspiration Respiratory Organs Hazard

This product is not reported to have any aspiration hazard effects.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

This product is not reported to have any ecotoxicity effects.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

Persistence/Degradability

No data available for this product.

Bioaccumulation

No data available for this product.

Mobility in Soil

No data available for this product.

*** Section 13 - Disposal Considerations ***

Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

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Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Aluminum	7429-90-5	Yes	DSL	EINECS

*** Section 16 - Other Information ***

Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail; ADR/RID = European Agreement of Dangerous Goods by Road/Rail; AS = Standards Australia; DFG = Deutsche Forschungsgemeinschaft; DOT = Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EU = European Union; HMIS = Hazardous Materials Identification System; IARC = International Agency for Research on Cancer; IMO = International Maritime Organization; IATA = International Air Transport Association; MAK = Maximum Concentration Value in the Workplace; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Association; NOHSC = National Occupational Health & Safety Commission; NTP = National Toxicology Program; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; TWA = Time Weighted Average

Literature References

None

Other Information

The information provided is based on data furnished to us by our suppliers or determined by us in our facilities at the time that this product was formulated. Although believed to be reliable, the information and products are intended for use by skilled persons at their own risk. Users should make their own determinations as to the suitability of the product for their particular use or purpose. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION. Seller assumes no responsibility for events resulting or damages incurred from the use of this product and any obligations between seller and buyer are to be controlled by the terms and conditions contained in seller's acknowledgement forms.

End of Sheet