

SAFETY DATA SHEET (SDS)

UNCONTROLLED
IF PRINTED



Date Last Revised: 06/20/2017

SDS Number: AS01

SECTION 1: IDENTIFICATION

Material Name:	Aluminum extrusions, mill.
Alloy Code:	6XXX Series
Product Use Description:	Various aluminum parts and products.
Manufacturer:	Aluminum Shapes, LLC 9000 River Road Delair, NJ 08110
Phone Number:	856.662.5500
Emergency Contact Number:	Chemtrec - 800.424.9300 (24-Hour Emergency Line)

SECTION 2: HAZARD IDENTIFICATION

Classifications:	Solid Metal			
Pictograms:		Flammable Solid	Category – 1	Flammable Solid (in chips or powder form)
		STOT (single exposure)*	Category – 1	May cause respiratory and skin irritation.
	N/A	Eye Irritation	Category – 2B	Causes eye irritations.
	Notes: *STOT – Specific Target Organ Toxicity			

Signal Word:	Warning
Hazard Statement:	Aluminum and aluminum alloys are considered an “article” and not hazardous in its solid form. However, certain process such as cutting, milling, grinding, melting and welding could result in some hazardous materials being emitted.
Precautionary Statement:	Halogen acids and sodium hydroxide in contact with aluminum may generate explosive mixtures of hydrogen. The welding of aluminum alloys may generate carbon monoxide, carbon dioxide, ozone, nitrogen oxides, infra-red radiation and ultra-violet radiation. Dust and fumes from processing can cause irritation of the eyes, skin, and upper respiratory tract.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Material Name:	Aluminum extrusions, mill.		
	Component	CAS Number	Percent
	Aluminum	7429-90-5	96 to 99
	Zinc	7440-66-6	< or = 6.5
	Manganese	7439-96-5	< or = 1.5
	Magnesium	7439-95-4	< or = 1.2
	Chromium	7440-47-3	< or = 0.5
Additional Information:	Exact composition will vary. Generic composition is provided above and may include components classified as non-hazardous.		

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UNCONTROLLED		SECTION 4: FIRST-AID MEASURES	
IF PRINTED Eye Contact:		Wash eye with large volumes of water or saline for fifteen (15) minutes. If irritation persists, consult a physician.	
Skin Contact:		Wash with soap and water for at least fifteen (15) minutes. If irritation develops or persists, consult a physician.	
Inhalation:		Remove to fresh air. If difficulty breathing initiate oxygen support. If unconscious check for clear airway, respirations, and pulse. If no pulse or respirations perform Cardiopulmonary Resuscitation (CPR). Consult a physician.	
SECTION 5: FIRE-FIGHTING MEASURES			
Extinguishing Media:		Use extinguishing agent appropriate for combustible materials in area. Dry chemical recommended.	
Precautionary Statement & Unusual Fire & Explosion Hazards:		Molten aluminum, in the presence of water, is very unstable. Do not use water to extinguish where there is a possibility of molten aluminum being present. Finely-divided aluminum will form explosive mixtures in air.	
Flash Point/LEL:		N/A	
Other:		See NFPA-491M Guideline for specific incompatible materials.	
SECTION 6: ACCIDENTAL RELEASE MEASURES			
Solid:		N/A	
Molten:		In the event material is released or spilled, contain the flow using dry sand or salt flux. Do not use shovels or hand tools to halt the flow or molten aluminum. Allow the material to cool.	
SECTION 7: HANDLING AND STORAGE			
Handling/Storage:		Product should be kept dry. Avoid generating dust. Avoid contact with sharp edges or heated metal. Hot and cold aluminum are not visually different. Contact with hot metal can result in burns.	
SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION			
Respiratory Protection:		If threshold limit values are exceeded, use NIOSH approved dust or fume respirator depending on contaminants and concentrations present.	
Ventilation:		Exhaust if threshold limit values are exceeded.	
Protective Gloves:		Required	
Eye Protection:		Safety glasses depending on prevailing hazard.	
Other Protective Equipment:		N/A	
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
Appearance:		Silvery	
Form:		Solid	
Odor:		Odorless	
Odor Threshold:		N/A	
Vapor Pressure:		N/A	
Vapor Density:		N/A	
pH:		N/A	
Relative Density:		N/A	
Melting Point/Freezing Point:		1050-1210°F (551.7-654.4°C)	
Solubility (Water):		Insoluble	
Density:		0.097 – 0.098 lb/in ³ (2.69 – 2.7 g/cm ³)	
Boiling Point/Freezing Point:		N/A	
Flash Point:		N/A	
Evaporation Rate:		N/A	
Flammability Limits In Air, Upper % By Volume:		N/A	

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UNCONTROLLED SECTION 9 CONTINUED: PHYSICAL AND CHEMICAL PROPERTIES

Flammability Limits In Air, Lower % By Volume:	N/A
Relative Density:	N/A
Partition Coefficient:	N/A
Auto-Ignition Temperature:	N/A
Decomposition Temperature:	N/A
Viscosity:	N/A

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable under normal conditions of use, storage, and transportation. Melted aluminum may react violently with chemical oxidizers or water.
Reactivity:	None in solid state
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	Heat and moisture. See Section 2 for additional information.
Materials to Avoid:	Aluminum fines are attacked by strong acids and alkalis and by some halogenated organic compounds especially at elevated temperatures. Operations generating aluminum fines may produce hydrogen gas when exposed to moisture. See NFPA-491M Guideline for specific incompatible materials.
Hazardous Decomposition Products:	None known.

SECTION 11: TOXICOLOGICAL INFORMATION

Effects and Symptoms of Overexposure:	High exposure may produce irritation of the eyes and respiratory tract. If exposures for aluminum oxide are kept below the threshold limit values the alloy components should not present any health hazard risk. Welding or cutting aluminum may generate ozone. Overexposure to ozone can cause mucous membrane irritation, congestion and edema. Chromium and its compounds, zinc and its compounds, and copper and its compounds are listed in CFR 29 1910.1000. Their presence in our alloys does not present carcinogenic or other health concerns due to their low concentration and/or the chemical form in which they are present.
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SECTION 12: ECOLOGICAL INFORMATION

N/A

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method:	For disposal of this material as a waste, act in accordance with all applicable Federal, State, and Local waste management regulations. Recycling of aluminum scrap is encouraged by the industry.
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SECTION 14: TRANSPORT INFORMATION

N/A

SECTION 15: REGULATORY INFORMATION

N/A

SECTION 16: OTHER INFORMATION

Information herein is given in good faith as authoritative and valid. However, no warranty, expressed or implied, can be made. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use, or disposal of the product.