

MATERIAL SAFETY DATA SHEET

ALUMINUM EXTRUSIONS

The data presented here applies to all **Loxcreen** aluminum extrusions. Although extrusions vary in terms of physical properties or other characteristics, safety and handling precautions are similar for all.

SECTION I: PRODUCT IDENTIFICATION

Manufacturers name:	The Loxcreen Company, Inc.
Address:	P.O. Box 4004, West Columbia, S.C. 29171
Phone:	803-822-8200
Chemical Name:	Aluminum, (does not include lithium and nickel alloys)
CAS registry Number:	7429-90-5
Alloying Elements:	CAS Number
Cobalt, Co.	7440-48-4
Copper, Cu	7440-50-8
Iron, Fe	1309-37-1
Manganese, Mn	7439-96-5
Silicon, Si	7440-21-3
Tin, Sri	7440-31-
Zinc, Zn	1314-13-2

SECTION II: PHYSICAL DATA

Materials At Normal Conditions:	Solid
Appearance and Odor:	Metallic appearance, no odor
Acidity Alkalinity:	NA
Vapor Pressure:	NA
Melting Point:	440-1215 Degrees F
Specific Gravity:	(H2O = 1) 2.5 - 2.9
Boiling Point:	NA
Solubility in water (% by weight):	NIL

SECTION III: PERSONAL PROTECTIVE EQUIPMENT

Appropriate personal protective equipment is required when melting, casting, machining, torching, or otherwise processing. The nature of the processing activity will determine what form of equipment is necessary, i.e., glasses, respirator, protective clothing, and ear protection.

SECTION IV: HEALTH/SAFETY INFORMATION

Inhalation:	Not likely unless material machined, welded or remelted. Short-term overexposure to welding fumes may result in discomfort such as dizziness, nausea, dryness or irritation of throat and nose.
Ingestion:	Not likely
Skin:	Not likely
Eyes:	May irritate eyes when welding or plasma cutting.

SECTION V: EMERGENCY MEDICAL PROCEDURES

For skin contact: Remove particles by thoroughly washing with soap and water.

For eye contact: Flush with water for at least 15 minutes. Get medical attention if irritation persists.

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

Flash Point: NA
Auto Ignition Temperature: NA
Extinguishing Media: Dry powder or sand. (Damp aluminum dust may spontaneously heat with liberation of hydrogen to form explosive air mixtures. Do not use water or halogen on dust fires.)

SECTION VII: REACTIVITY

Stability: Stable
Incompatibility: Anhydrous bromine (Material to avoid)
Conditions to avoid: See additional information.

SECTION VIII: ENVIRONMENTAL

Spill or leak procedures: NA
Waste Disposal Methods: Used or unused product should be tested to determine hazard status and disposal requirements under federal, state, or local laws and regulations. disposer must comply with Federal, State and Local disposal discharge laws.

SECTION IX: ADDITIONAL INFORMATION

1. Halogen acids and sodium hydroxide in contact with aluminum may generate explosive mixtures of hydrogen.
2. Finely divided aluminum will form explosive mixtures in air. It will also form explosive mixtures in air in the presence of bromates, iodates, or ammonium nitrate.
3. When remelting aluminum scrap, entrapped moisture or the presence of strong oxidizers such as ammonium nitrate could cause an explosion. This applies to the collection of moisture in sow cavities as well. Moisture must be driven off prior to remelting.
4. Do not touch cast aluminum metal or heated aluminum product without knowing metal temperature. Aluminum experiences no color change during heating. If metal is hot and touched, burns can result.
5. Aluminum powder must be packaged and shipped as a Flammable Solid, UN1396.
6. Hard alloy ingots in the 2000 and 7000 series must be stress-relieved to prevent explosion when sawed.
7. The welding of aluminum alloys may generate carbon monoxide, carbon dioxide, ozone, nitrogen oxides, infra-red radiation and ultra-violet radiation.

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