



Material Safety Data Sheet

Extruded Aluminum

THRESHOLDS, SILL COVERS, SHAPES, CARPET TRIM, MOULDINGS, HARDWARE

Complies with OSHA's Hazard Communication Standard CFR 1910.1200

I. Chemical Product and Company Identification

Material Identity

HMIS: H: 0 / F: 0 / R: 0 / P: None

Product Code and Name: Extruded Aluminum

Product Class: Aluminum Shapes

DOT Class: None

Manufacturer: Macklanburg-Duncan
4041 North Santa Fe
Oklahoma City, OK 73118
(800)654-8454

24 Hour Emergency: Chemtree 1(800)424-9300

Date Prepared: October 4, 1999

Replaces: March 23, 1998

II. Composition/Information on Hazardous Ingredients

Component	OSHA PEL	ACGIH TLV	CAS Number
* Aluminum	15, 5 mg/m ³ (A)	10 mg/m ³	7429-90-5
* Copper Fume	0.1, 1 mg/m ³ (C)	0.2, 1 mg/m ³ (C)	7440-50-8
* Ozone Fume	0.1 ppm	0.1 ppm	NE

These chemicals are released only when the product is mechanically altered.

* This product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right To Know Act of 1986 (40CFR 372).

A: Total dust; respirable fraction, respectively.

C: Fume; dust and mists, respectively.

III. Physical Data

Vapor Density (air = 1):	N/A	Boiling Point:	N/A
Specific Gravity:	N/A	Percent Volatile by Volume:	0
Solubility in Water:	Insoluble	Vapor Pressure (mm/Hg):	N/A
Evaporation Rate (butyl acetate = 1):	N/A	Appearance and odor:	Solid extruded shape, variety of colors
% Solids:	100%	V.O.C.:	0

IV. Fire and Explosion Hazards

Flash Point (Method Used):	N/A	Flammable Limits:	N/A
Extinguishing Media:	Carbon dioxide, foam, dry chemical, water		
Special Fire Fighting Procedures:	Wear self-contained breathing apparatus in positive pressure mode and full protective gear.		
Unusual Fire and Explosion Hazards:	Irritating or toxic gases and aerosols may be produced during burning. Extrusions do not present a fire hazard under normal conditions.		

V. Reactivity Data

Stability:	Stable under normal conditions
Conditions to Avoid:	None

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Incompatibility (Materials to Avoid): Fines and small chips should not be mixed with strong oxidizers, acids, bases, halogenated compounds or heat.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide

Hazardous Polymerization: None

VI. Health Hazard Data

Routes of Entry/ Effects of Exposure/ Emergency and First Aid Procedures: **Inhalation:** Avoid breathing dust. Treat as nuisance dust when large amounts of aluminum dust and/or fines are present. When welding, the potential for overexposure to copper fumes exists. May cause mucous membrane irritation, pulmonary congestion and edema when welding. **Eyes:** Avoid eye contact with dust. In case of eye contact, flush with water for 15 minutes and contact physician. **Skin:** Avoid skin contact. Wash skin and hands with soap and water after use. Launder contaminated clothing. **Ingestion:** Do not ingest. If swallowed, do not induce vomiting; contact physician.

VII. Precautions for Safe Handling and Use

Steps to be taken in case material is spilled or released: Collect scrap for remelting.

Handling and Storage Precautions: None

Other Precautions: Do not ingest. **KEEP AWAY FROM CHILDREN!**

VIII. Control Measures

Respiratory Protection: For fume or dust exposure use with adequate ventilation to stay at or below exposure limits. If limits are exceeded use NIOSH approved respirator.

Ventilation: Adequate to keep vapor below TLV during mechanical alteration.

Protective Gloves: Not required

Eye Protection: Safety glasses

Hygienic Practices: Wash hands and skin with soap and water after use.

Disclaimer: This Safety Data Sheet was prepared to protect against any reasonable exposure to consumers or employees arising out of the intended use of the product and to provide them with information regarding potential hazards contained in the product. Under varied circumstances the hazardous ingredients may pose a lesser or greater hazard. Because of the scientific data contained in these sheets was obtained from tests performed by agencies other than Macklanburg-Duncan Company, the company cannot guarantee its accuracy. Macklanburg-Duncan Company makes no warranty of any kind, expressed or implied. The user must assume all risk and liability resulting from reliance on the information contained on this Material Safety Data Sheet and the use of this product, whether used in combination with other products or singly.