

Material Safety Data Sheet

I. Material Identification

Manufacture: **M-Boss, Inc.**

Material Name: Various colors of coated Aluminum sheet and coil

II. Hazardous Ingredients

Aluminum sheet coated with inorganic pretreatments and organic paints/resins will contain one or more of the following:

Element	CAS. No.	% max	OSHA 8-Hr. Twa
Chromium Compounds (as CrO ₂)	7440-47-3	<0.5	0.5 mg/m ³
Chromium Compounds* (as insol. Salt)	7440-47-3	<1.0	1.0 mg/m ³
Antimony	7440-36-0	<1.0	0.5 mg/m ³
Lead Compounds as Pb	7439-92-1	<0.5	0.05 mg/m ³
Nickel*	7440-02-0	<2.0	1.0 mg/m ³
Cobalt	7440-48-4	<0.5	0.1 mg/m ³
Copper*	7440-50-8	<5.0	Fume 0.1 mg/m ³ Dust 1.0 mg/m ³
Iron	1308-37-1	<1.0	5.0 mg/m ³
Molybdenum	7439-98-7	<1.0	10 mg/m ³
Zinc	1314-13-2	<0.5	5 mg/m ³

*these compounds are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

III Physical Data

Melting Point= 590°-775° C
Specific Gravity: 2.5-2.8
Boiling Point: N/A
Percent Volatile: N/A

Vapor Pressure: N/A
Solubility: Insoluble
Appearance: Various Colors
Evaporation Rate: N/A

IV. Fire and Explosion Data

Flash Point: N/A
Upper Explosion Limits: N/A
Auto ignition Temperature: N/A

Flammability Limits: N/A
Lower Explosion Limits: N/A

Extinguishing Media:

In coated plate, sheet or coil form, the material is non-flammable. In powder or chip form, use dry powder or sand. Do not use water or halogenated extinguishing agents.

Unusual Fire and Explosion Hazards:

Water, oxidizers and many other chemicals react explosively in contact with molten aluminum. Fine chips, powder, or dusts in air may explode if ignition source is present.



V. Reactivity Data

Stability: Stable

Materials to Avoid: Aluminum may react with water, strong oxidizers, acids, alkalis, and halogenated compounds producing heat and hydrogen gas.

Hazardous Decomposition:

Product: Halides, carbon dioxide, carbon monoxide

Hazardous Polymerization: Polymerization will not occur.



VI. Health Hazard information

Note: If exposures to aluminum dust, fume, and oxides are kept below the permissible exposure limits, the alloy compounds should pose no significant health risk.

Symptoms of overexposure: Shortness of breath from inhalation of aluminum dust. Chronic overexposure has varied bronchial conditions.

Medical Conditions Aggravated by Exposure: Respiratory illness

Emergency First Aid Procedures:

Inhalation: Fumes/dust- Remove to fresh air-Get medical attention

Eye Contact: Flush with water for at least 15 minutes. Get medical attention.

Skin Contact: wash exposed area with copious amount of water.

Ingestion: Not an expected route of exposure. Get medical attention.



VII. Spill, Leak, Disposal Information

Spills or Leaks: Aluminum in solid state cannot spill. Use appropriate gloves when retrieving trim.

Disposal methods: Used or unused product should be tested as necessary to determine hazard status and disposal requirements under federal, state, or local laws and regulation.

Special Requirements: No special storage required.



VIII. Special Protection Information

When welding, grinding, brazing, cutting, etc., use proper respiratory protection equipment and have adequate ventilation. If aluminum sheet is remelted, make certain no water or moisture is present in cavities or external surfaces. Moisture or the presence of strong oxidizers may cause an explosion.

Use safety glasses in all industrial operations. Use strong industrial gloves to avoid injuries.

Special clothing is required when handling molten aluminum.



IX. Special Precautions and Comments

This material safety data sheet meets information requirements of the federal OSHA Hazard Communication Rule, 29 CFR 1910.1200 (g) and 40 CFR, Part 372.

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