



COMMONWEALTH ALUMINUM

*Aluminum Manufacturing
Leadership*

PAINTED ALUMINUM MATERIAL SAFETY DATA SHEET

SECTION I. Material Description

TRADE NAME: Painted Aluminum Sheets and Coils

MANUFACTURER: Commonwealth Aluminum Corporation.

SECTION II. Composition / Exposure Limits

Common Name	%	Chemical Name	CAS	OSHA PEL	TLV
Aluminum	80-99	Al**(dust) Al**(fume)	7429-90-5	N/A	10
Chromium	1-10	Cr**	7440-47-3	1	0.5
Cobalt	1-10	Co	7440-48-4	0.1	0.1
Copper	1-20	Cu**(fume)	7440-50-8	0.1	0.2
Iron	1-20	Fe (fume)	1309-37-1	10	5
Magnesium	1-10	Mg (fume)	1409-48-4	15	10
Manganese	1-10	Mn**(fume)	7439-96-5	5C	1
Nickel	1-10	Ni**	7440-02-0	1	10
Silicon	1-20	Si (dust) Respirable dust	7440-21-3	N/A N/A	10 5
Titanium	1-10	Ti	13463-67-7	15	10
Zinc	1-10	Zn** (fume)	7440-66-6	5	10

**Commonwealth Aluminum alloys may be comprised of all or some of the metals shown here. In addition, the welding of aluminum alloys may produce the products listed in Section X. Also contains baked organic resins as a coating.

**Chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372. This information must be included in all MSDS's that are copied and distributed for this material.

SECTION III. Physical Data

PHYSICAL FORM: Solid

BOILING POINT: N/A

MELTING POINT: 900-1200 F (482-649 C)

VAPOR PRESSURE: N/A

DENSITY: 2.63-3.12 g/c

COLOR: Various colored coatings, silver base

SECTION IV. Fire and Explosion Hazard Data

FLASHPOINT: N/A AUTOIGNITION: N/A FLAMMABILITY LIMIT: N/A

EXTINGUISHING MEDIA: Use Dry Powder or dry, clean sand. DO NOT use water or halogens when dust is present.

EXPLOSION HAZARD: Hydrogen is liberated when aluminum dust becomes damp or wet. Explosive mixture in air may result.

SECTION V. Reactivity Data

Alloys are stable under normal conditions of temperature and pressure. Alloy dust may spontaneously react to liberate hydrogen gas.

INCOMPATIBILITY: Oxidizers, acids, alkalines, halogenated compounds, anhydrous bromine

SECTION VI. Health Hazard Data

INHALATION HAZARDS: No hazard unless alloy is machined, welded or remelted. Machining may result in nuisance dusts. See Section II. Exposure Limits. Welding and remelting may result in metal fumes resulting in irritation, dizziness, nausea or dryness of throat and eyes.

INGESTION HAZARDS: Not likely

SKIN / EYE HAZARDS: Not likely

CHRONIC TOXICITY: Nickel metal, nickel oxides and certain chromium compounds are listed as animal carcinogens by IARC via inhalation route.

SECTION VII. Spill, Leak and Disposal Information

Spills and leaks not likely. Some Coatings may contain small amounts RCRA regulated materials. Used or unused product should be evaluated using applicable federal/ State/local standards for disposal requirements.

SECTION VIII. Personal Protective Equipment

Personal protective equipment is required when matching, grinding, welding or remelting this product. Face/eye protection, respiratory protection and protective clothing appropriate to the task should be used.

SECTION IX. Emergency Medical Procedures

SKIN CONTACT: Remove particles with soap and water.

EYE CONTACT: Flush eyes with water and consult physician.

SECTION X. 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.
3. Do not touch cast aluminum metal or heated aluminum product without knowing metal temperature. Aluminum experiences no color change during heating.
4. The welding of aluminum alloys may generate carbon monoxide, carbon dioxide, ozone, nitrogen oxides, infrared radiation and ultraviolet radiation.
5. Coating may burn if exposed to ignition source at high temperatures.

The information disclosed herein is believed to be reliable. Since the use of the product described is beyond our control, we disclaim any responsibility for injury, loss or damage as a result of misuse of this product. No warranty, expressed or implied, is made in connection with the information provided herein or the use of the product in any form for any purpose. No license, actual or implied, is granted in regard to the use process or practices disclosed.

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