

SAFETY DATA SHEET
OCTOLUX – DECORATIVE SHEET ALUMINUM

SECTION 1: Identification

Product Name : Octolux Sheet Aluminum (All thicknesses)
Synonyms : None
Code : Octolux #1 through # 87 and Smoke

Supplier Details : Surface Materials
6655 Parkland Blvd
Solon,OH 44139

Information telephone number : 440-248-0000

SECTION 2: Hazards Identification

GHS Classification : Not classified. Material is non-hazardous
GHS Signal Word : Not applicable
GHS Pictograms : Not applicable

Precautionary Statements: : No known hazards for material as supplied. During fabrication operations such milling, welding, sawing, brazing, grinding and machining etc. may be hazardous to your health.

Appearance/Odor: : Thin to thick, rigid sheet aluminum, various thicknesses/colors. No significant odor.

WARNING: : Milling, welding, sawing, brazing, grinding and machining, etc. of this material may generate airborne nuisance dust. This dust may cause eye, nose, skin, and upper respiratory tract irritation. Use of appropriate personal protection and/or engineering controls (such as local exhaust ventilation) should be employed.

Potential Health effects : Dust generated during fabrication of this material may cause irritation of the eyes, nose skin and upper respiratory tract. Asthmatic conditions maybe aggravated by the dust generated.

Likely Routes of Exposure : Eye contact, skin contact and inhalation

Eyes : Dust generated during fabrication could cause eye irritation (tears, blurred vision and redness). In case of eye contact with dusts, rinse affected eye for at least 15 minutes with clean water. If irritation persists, seek medical attention.

Skin : The dust generated during installation or fabrication may cause moderate skin irritation. Avoid prolonged skin exposure to dust. Rinse skin with mild soap if contact occurs. If irritation persists, seek medical attention.

Ingestion : Not likely to occur and not expected to cause a significant toxic response. However, ingestion of dust could cause irritation of the mouth, throat and stomach. If this occurs, rinse mouth with clean water. If irritation persists, seek medical attention.

Inhalation : Welding, sawing, brazing, grinding and machining, etc. of this material may generate airborne dust that may cause eye, nose and upper respiratory tract irritation. Use appropriate personal protection and/or engineering controls (such as local exhaust ventilation).

- Medical Conditions** : Chromium Dust: Can cause irritation of eyes, skin and respiratory tract. Chromium and trivalent chromium IARC/NTP: Not classified by IARC
- Nickel Dust and Fumes: Can cause irritation of eyes, skin and respiratory tract. Skin Contact: Can cause sensitization and allergic contact dermatitis. Chronic Overexposures: Can cause perforation of the nasal septum, inflammation of the nasal passages, respiratory sensitization, asthma and scarring of the lungs. Nickel Metal IARC/NTP: Listed as “reasonably anticipated to be a human carcinogen” by the NTP. Listed as possibly carcinogenic to humans by IARC (Group 2B).
- Manganese Dust or Fumes: Chronic Overexposures: Can cause inflammation of the lung tissue, scarring of the lungs, central nervous system damage, secondary Parkinson’s disease and reproductive harm in males.
- Silicon, Inert Dusts: Chronic Overexposures: Can cause chronic bronchitis and narrowing of the airways.
- Aluminum Dust, Fines and Fumes: Low health risk by inhalation. Generally considered to be biologically inert (milling, cutting, grinding).
- Aggravated by Exposure** : Asthmatic conditions may be aggravated by additional dust exposure.
- Target Organs** : Lungs (From dust generated during fabrication only)

SECTION 3: Composition/Information on Hazardous Ingredients

Name	CAS#	% by Weight
Aluminum	7420-90-5	>84.9
Magnesium	7439-95-4	<6.6
Zinc	7440-66-6	<4
Manganese	7439-96-5	<1.5
Silicon	7440-21-3	<1.1
Nickel	7440-02-0	0 - 0.09
Chromium	7440-47-3	<0.6

Section 4: First Aid and Measures

- Eye contact** : If dust gets into the eyes, immediately rinse affected eye for at least 15 minutes with clean water. If irritation persists, seek medical attention.
- Skin contact** : If excess dust gets onto the skin, remove contaminated clothing and wash before reuse. Wash skin with soap and water. Seek medical attention if irritation occurs
- Ingestion** : If dust gets into mouth, rinse mouth with clean water. Seek medical attention if necessary.
- Inhalation** : If excess dust is inhaled, move to fresh air. Seek medical attention if symptoms such as wheezing and/or shortness of breath occur.

Section 5: Fire Fighting Measures

- Flash Point** : Not applicable
- Flash Point Method** : Not applicable
- Auto-ignition Temperature** : Not available
- Burning Rate** : Not available
- Fire and Explosion Hazard** : No hazard for product as sold.
- Fire Fighting Equipment** : Use extinguishing media appropriate for surrounding fire. Use self-contained breathing apparatus and clothing appropriate for surrounding fire. (CO₂, water, foam)
- Hazardous Products of Combustion** : Carbon oxides (CO and CO₂), nitrogen, and ammonia.

Section 6: Accidental Release Measures

- Personal Precautions** : Material is non-hazardous as supplied. Review personal protection measures in Section 8.
- Methods for Clean-up** : Recover undamaged materials for reuse or reclamation. Sweep or pick up scrap material and place in disposal containers.

Section 7: Handling and Storage

- Handling** : No specific usage precautions required. Follow normal good hygiene practices. Protect exposed skin from cuts and abrasions. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dust does not accumulate on surfaces. Avoid dispersal of dust in the air (i.e., clearing dusty surfaces with compressed air).
- Storage** : Store in a dry and well-ventilated area.

Section 8: Exposure Controls/Personal Protection

- Exposure Guidelines** : None. Not tested for humans. Not expected to be toxic to humans. Consult local authorities and regulations for exposure limits.
- Engineering Controls** : No special ventilation controls required for product as sold. Provide adequate ventilation to meet exposure guidelines if fabrication operations generate dust or fine particles. It is recommended that all dust control equipment such as local exhaust ventilation and transport systems involved in handling dust particulate of this product contain explosion relief vents or explosion suppression system or an oxygen-deficient environment. Ensure that dust handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e., no leakage from equipment).

- Eye/face Protection** : Wear safety glasses when sawing, sanding, drilling or routing.
- Skin Protection** : Wear appropriate gloves when installing, transporting, or handling uninstalled pieces.
- Foot Protection** : No special protection required.
- Respiratory Protection** : Respirators – No specific recommendations. Respiratory protection must be used if the OSHA Permissible Exposure Limit for dust (Particulate Not Otherwise Regulated – PNOR) is exceeded.
- General Hygiene Considerations** : Wash thoroughly after milling, welding, sawing, brazing, grinding and machining, etc. Have eyewash facilities immediately available.

Section 9: Physical and Chemical Properties
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- Color** : Various
- Odor** : None
- Physical State** : Solid sheet product
- PH** : Not applicable
- Freezing Point** : Not applicable
- Boiling Point** : Not applicable
- Flash Point** : Not applicable
- Evaporation Rate** : Not applicable
- Flammability** : Not applicable
- Upper Flammability Limit** : Not applicable
- Lower Flammability Limit** : Not applicable
- Vapor Pressure** : Not applicable
- Vapor Density** : Not applicable
- Specific Gravity** : Approx. 85 LBS/ ft³
- Solubility (water)** : Not applicable
- Auto-ignition Temperature** : Not applicable
- Percent volatile, wt %** : Zero
- Volatile Organic Compound (VOC) content, wt. %** : Zero. Product as supplied is chemically inert, VOC release is extremely low.

Section 10: Stability and Reactivity

Stability	: Stable
Conditions to Avoid	: None
Incompatible Materials	: None
Hazardous Decomposition Products	: Carbon oxides (CO and CO ₂)
Hazardous Polymerization	: Will not occur.

Section 11: Toxicology Information

ACUTE EFFECTS

Toxicity to Animals	: This product has not been tested for animal effects. This product is not expected to be toxic to animals.
Toxicity to Humans	: This product has not been tested for human effects. This product is not expected to be toxic to humans.
Oral LD50	: Not known
Dermal LD50	: Not known
Inhalation	: See Section 2
Eye Irritation	: See Section 2
Skin irritation	: See Section 2
Sensitization	: No data for product.

CHRONIC EFFECTS

Carcinogenicity	: No data for product
Mutagenicity	: No data for product
Reproductive Effects	: No data for product
Developmental Effects	: No data for product

Section 12: Ecological Information

Eco Toxicity : No data for product

Persistence/Degradability : No data for product.

Bioaccumulation/Accumulation: No data for product

Mobility in Environment : No data for product

Section 13: Disposal Considerations

Disposal : Material is non-hazardous and no special treatment is required for disposal. Disposal in landfill must be in accordance with federal, state and local regulations.

Section 14: Transportation Information

DOT : Not Regulated

ADR Requirements (Europe) : Not an ADR controlled material

IMDG Requirements : Not an IMDG controlled material.

IATA Requirements : Not an IATA controlled material.

Marine Pollutant : Not a marine pollutant.

Section 15: Regulatory Information

WARNING : Substance contained in this product known to cause cancer, birth defects or other reproductive harm.

INTERNATIONAL REGULATIONS

DSL (Canada) : None

EINECS : None

Section 16: Other Information

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Prepared By : Octopus Products Limited

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Final determination of suitability of any material is the sole responsibility of the user. All material may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard that exist.