

MSDS Material Safety Data Sheet

Wilsonart International



408 Metalaminate

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MSDS Number: 18000

Revision Date: 05/20/04

1 PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME WILSONART® METALAMINATES™ - TYPE 408

MANUFACTURER WILSONART INTERNATIONAL, INC.
P.O. BOX 6110 - 2400 WILSON PLACE
TEMPLE, TX 76503
INFORMATION PHONE: 800-433-3222 (USA)

SYNONYMS L6415 POLISHED GOLD
L6417 POLISHED NATURAL
L6419 BRUSHED IRON
L6423 MARINE
L6425 CHAMPAGNE
L6427 ALUMINUM
L6428 PEARL
L6429 BRUSHED NATURAL
L6430 BRUSHED GOLD
L6481 STAINLESS STEEL

MATERIAL USES Decorative Laminates/Decorative Surfaces

IN CASE OF EMERGENCY CONTACT

CHEMTREC: 800-424-9300 (USA)
703-527-3887 (INTERNATIONAL)

2 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	Exposure Limits
Aluminum	TWA: 15 (mg/m ³) from OSHA PEL TWA: 10 (mg/m ³) from ACGIH(TLV)
Chromium	TWA: 1.0 (mg/m ³) from OSHA PEL TWA: 0.5 (mg/m ³) from ACGIH(TLV)
Nickel	TWA: 1.0 (mg/m ³) from OSHA PEL TWA: 1.5 (mg/m ³) from ACGIH(TLV)

INGREDIENT COMMENTS

Exposure limit for aluminum metal dust. It does not apply to the products (L6415, L6417, L6419, L6423, L6425, L6427, L6428, L6429, L6430) as sold, but may be applicable during fabrication operations. The OSHA limit for aluminum is for total dust. The OSHA PEL is for respirable fraction. Exposure limits for remaining substances are for the elements themselves. They do not apply to the product (L6481) as sold, but may be applicable during fabrication.

3 HAZARDS IDENTIFICATION

Route of Entry: None for product as sold. For dust or chips generated during fabrication operations : eye contact, skin contact, and inhalation.

Target Organs: None.

Inhalation: No hazard for product as sold. Fabrication operations such as milling, cutting, grinding, etc., may product dust or fines that may be irritating or harmful if inhaled. See Section 8.

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Skin Contact: Solid sheet may be abrasive to, or cut skin. Fabrication operations such as milling, cutting, grinding, etc., may produce dust or fines that may be irritating.

Eye Contact: No hazards for product as sold. Fabrication operations such as milling, cutting, grinding, etc., may produce dust or fines that may be irritating.

Ingestion: Not an expected route of entry with normal use of product.

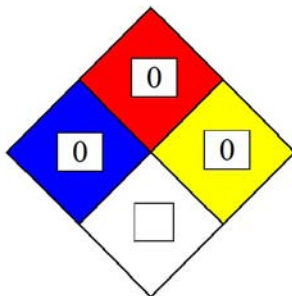
Chronic Effects
Carcinogenicity:

Nickel IARC: Yes
NTP: Yes
OSHA: Not listed.

HMIS (United States):

HEALTH	0
FLAMMABILITY	0
REACTIVITY	0
PPE	

NFPA (United States):



WHMIS (Canada): Not classified as hazardous.

4 FIRST AID MEASURES

Inhalation: No hazards for product as sold. Fabrication operations such as milling, cutting, grinding, etc., may produce dust or fines that may be irritating to the respiratory tract. If irritation persists, seek medical attention.

Skin Contact: Solid sheet may be abrasive to, or cut skin. Fabrication operations such as milling, cutting, grinding, etc., may produce dust or fines that may be irritating. May aggravate existing skin conditions. Wash with soap and water. If irritation persists, seek medical attention.

Eye Contact: No hazards for product as sold. Fabrication operations such as milling, cutting, grinding, etc., may produce dust or fines that may be irritating to the eyes. Rinse eyes with water for 15 minutes. If irritation persists, seek medical attention.

Ingestion: Not an expected route of entry with normal use of product.

General: First aid is not required for use of product as sold. However, dust, chips, or fines produced during fabrication operations may irritate the eyes, skin, and respiratory tract.

Note to physician.
Treat symptomatically.

5 FIRE FIGHTING MEASURES

Flash Point: Not applicable.
Flash Point Method: Not applicable.
Burning Rate: Not available.

Use extinguishing media appropriate for surrounding fire. Use self-contained breathing apparatus and protective clothing appropriate for the surrounding fire. Combustion products are carbon oxides (CO, CO₂).

Product as sold does not present an explosion hazard. Finely divided dust generated by fabrication operations such as milling, cutting, grinding, etc., can create an explosion hazard if the airborne dust concentration exceeds 900 grams per cubic meter and it contacts an ignitions source greater than 8 joules (A person standing in a uniformly dispersed dust cloud of 50 grams per cubic meter will not be able to see his/her outstretched hand.)

6 ACCIDENTAL RELEASE MEASURES

Small spill or leak - Not applicable.

Large spill or leak - Not applicable.

7 HANDLING AND STORAGE

Handling Precautions: No specific usage precautions required. Follow normal good hygiene practices. Protect exposed areas from cuts and abrasions

Storage Requirements: No special storage precautions required.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: No special ventilation requirements for product as sold. Provide adequate ventilation to meet exposure guideline if fabrication operations generate dust or fumes.

Protective Equipment: Respirators - No specific recommendation made, but respiratory protection must be used if the general level exceeds the Occupational Exposure Level (OEL).

Protective gloves - Gloves suitable for protection against cuts and abrasions from sharp edges are recommended.

Eye protection - Wear safety goggles during fabrication operations that produce chips, fines or dust.

Exposure Guidelines/Other: Ingredient Name

Aluminum

Chromium

Nickel

Exposure Limits

TWA: 15 (mg/m³) from OSHA PEL

TWA: 10 (mg/m³) from ACGIH (TLV)

TWA: 1.0 (mg/m³) from OSHA PEL

TWA: 0.5 (mg/m³) from ACGIH (TLV)

TWA: 1.0 (mg/m³) from OSHA PEL

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9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid laminate	Boiling Point:	Not Applicable
Physical State:	Solid product	Freezing/Melting Pt.:	Not Applicable
Odor:	None	Solubility:	Insoluble
pH:	Not Applicable	Spec Grav./Density:	Not Applicable
Vapor Pressure:	Not Applicable		
Vapor Density:	Not Available		

Heat Value:	Not available
VOC:	Not applicable
Evap. Rate:	Not applicable
Bulk Density:	Not available
Octanol:	Not applicable
Molecular Weight:	Not applicable
Particle Size:	Not applicable
Softening Point:	Not applicable
Viscosity:	Not applicable
Percent Volatile:	Not applicable
Sat. Vap. Concentrat.:	Not available
Molecular Formula:	Not applicable

10 STABILITY AND REACTIVITY

Stability: Wear safety goggles during fabrication operations that produce chips. Wear safety goggles if the fabrication process produces fines or dust.

Conditions to avoid: Elevated temperatures may cause aluminum to oxidize. Oxidation is a temperature dependent rate phenomenon.

Materials to avoid (incompatibility): None for product as sold. It is known that finely divided aluminum powder (fines or chips) reacts with:
Water - slowly generates hydrogen and heat.
Strong oxidizers - Reacts violently, liberating considerable heat.
Acids and alkalis - Reacts producing hydrogen gas
But, product as sold is not elemental aluminum powder but aluminum metal/plastic resin mixture that is not expected to exhibit this reactive behaviors.

Hazardous Decomposition products: No specific hazardous decompositions products are known.

Hazardous Polymerization: Will not polymerize.

11 TOXICOLOGICAL INFORMATION

This product is not expected to be toxic, but no information on the product is available.

12 ECOLOGICAL INFORMATION

This product is not expected to be dangerous to the environment.

13 DISPOSAL CONSIDERATIONS

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Not classified as a hazardous waste. For disposal, emtal in product is classified as a typical alloy. Follow Federal, state, and local regulations for disposal of this product.

14 TRANSPORT INFORMATION

DOT Classification - Not a DOT controlled material (United States).

15 REGULATORY INFORMATION

U.S. Federal Regulations

TSCA inventory - Aluminum
TSCA inventory - the ingredients of this product are listed.
OSHA Hazardous Chemical - Yes
SARA 302/313 - No
SARA 311 - Not applicable to product as sold.
CERCLA - No

International Regulations

DSL (Canada) - Aluminum

State Regulations

California Prop. 65: This product contains the following ingredients known to the state of California to cause cancer: Formaldehyde (50-00-0) in trace amounts.

16 OTHER INFORMATION

The OSHA Hazard Communications Standard (29 CFR 1910.1200) requires that chemical manufacturers provide a Material Safety Data Sheet (MSDS) to downstream users of hazardous chemicals. The Standard excludes a hazardous chemical present n a manufactured item to the extent that exposure to the hazard posed by the chemical can not occur under normal use.

Anodic coatings are non-hazardous since they are composed of aluminum oxide and aluminum sulfate and do not pose a hazard in the form in which they are present in this product. Colored anodized coatings contain coloring substances but the quantities of these coloring substances are negligible, and do not require an MSDS for colored anodized aluminum.

The presence of anodic coatings does not change the potential for dust hazards for the aluminum alloy when the anodized aluminum is subjected to welding, burning, grinding, cutting, etc.

Some anodizers (but not the manufacturer of this product) use a chromic acid bath to anodize aluminum. This is typically done for specific types of finishes. The metal used in Wilsonart Metalaminates - Type 408 has not been subjected to the chromic acid anodizing process

None for products as sold. For dust or chips generated during fabrication operations, eye contact, skin contact, and inhalation.

References

Lewis, R. J., Rapid Guide to Hazardous Chemicals in the Workplace, 4th ed., Wiley-Interscience, New York, 2000.
NIOSH Pocket Guide to Chemical Hazards, Department of Health and Human Services, National Institute for

Occupational Safety and Health, 2004.

TLVs and BEIs, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Agents, ACGI Worldwide, Cincinnati, 2003.

Glossary

ACGIH - American Conference of Governmental Industrial Hygienists

ASTM - American Society for Testing and Materials

ADR - Agreement on Dangerous Goods by Road (Europe)

BOD5 - Biological Oxygen Demand in 5 days

CAS - Chemical Abstracts Services

CEPA - Canadian Environmental Protection Act

CERCLA - Comprehensive Environmental Response, Compensations and Liability Act

CFR - Code of Federal Regulations

DOT - Department of Transportation

DSCL - Dangerous Substances Classification and Labeling (Europe)

DSL - Domestic Substance List (Canada)

EEC/EU - European Economic Community/European Union

EINECS - European Inventory of Existing Commercial Chemical Substances

HCS - Hazard Communication System

HMIS - Hazardous Material Information System

IARC - International Agency for Research on Cancer

LD50/LC50 - Lethal Dose/Concentration kill 50%

LDLo/LCLo - Lowest Published Lethal Dose/Concentration

NFPA - National Fire Prevention Association

NIOSH - National Institute for Occupational Safety & Health

NTP - National Toxicology Program

OSHA - Occupational Safety & Health Administration

PEL - Permissible Exposure Limit

RCRA - Resource Conservation and Recovery Act

SARA - Superfund Amendments and Reorganization Act

STEL - Short Term Exposure Limit (15 minutes)

TDG - Transportation of Dangerous Goods (Canada)

TLV-TWA - Threshold Limit Value-Time Weighted Average

TSCA - Toxic Substances Control Act

WHMIS - Workplace Hazardous Material Information System

Other Special Considerations

TSCA: All components of this product are listed on the TSCA Inventory. EINECS: All components of this product are on the European Inventory of Existing Commercial Chemical Substances. OSHA: Hazardous by definition of Hazard Communications standard (29 CFR 1910.1200).

CHEMTREC:

800-424-9300 (USA)

703-527-3887 (International)

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named manufacturer nor any of its subsidiaries assumes any liability whatsoever for accuracy or completeness of the information contained herein.

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

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END OF MSDS DOCUMENT