

# SIKO INDUSTRY LIMITED

Add: Economical Developing Zone, Tanshi, Zhangjiagang, Jiangsu, China  
Direct Line: 0086-512-56991792 Fax: 0086-512-56991152

## MATERIAL SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS Standards, Australian WorkSafe, Japanese Industrial Standard JIS Z 7250:2000, and European Union standards

### 1. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED): ALUWEDO® Aluminum Composite Panel  
PRODUCT USE: Finished Aluminum Composite Panel

### 2. HAZARD IDENTIFICATION

EU DANGEROUS PREPARATIONS DIRECTIVE (DPD) LABELING AND CLASSIFICATION:

This product does not meet the definition of any hazard class, as defined by the European Union Council Directives 67/548/EEC and 1999/445/EC and subsequent Directives.

For information on classification under CLP Regulation (EC) 1271/2008, please refer to section 16 (Other Information).

Classification: Not Applicable

Risk Phrases: Not Applicable

Safety Phrases: Not Applicable

Annex II Hazard Symbol: Not Applicable

#### EMERGENCY OVERVIEW:

**Product Description:** This product is a painted aluminum composite panel with a highly filled polyethylene core. The panel is supplied in a variety of colors and panel thicknesses.

**Health Hazards:** The panel as a finished product is non-hazardous, however cutting, sawing or sanding of this panel may produce hazardous dust, and or toxic fumes when heated to decomposition.

**Flammability Hazards:** As supplied, this product is not combustible.

**Reactivity Hazards:** None

**Environmental Hazards:** None

**Emergency Considerations:** Emergency responders must wear the proper personal protective equipment (and have appropriate fire-suppression equipment) suitable for the situation to which they are responding.



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## 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients:	CAS #	EINECS #	Hazard Symbol; Risk Phrases
Polyethylene Core	9002-88-4	NE	HAZARD CLASSIFICATION: NOT CLASSIFIED RISK PHRASES: NONE
Aluminum Sheet Stock	NE	NE	HAZARD CLASSIFICATION: NOT CLASSIFIED RISK PHRASES: NONE
Bonding Film	NE	NE	HAZARD CLASSIFICATION: NOT CLASSIFIED RISK PHRASES: NONE
Paint (Various colors)	Mixture	NE	HAZARD CLASSIFICATION: NOT CLASSIFIED RISK PHRASES: NONE

N.E. = Not Established.

NOTE: This product is classified as an "article" according to Title 29 of the Code of Federal Regulations, OSHA Part 1910.1200.

"Article means a manufactured item other than a fluid or particle, which is formed to a specific shape or design during manufacture which has end use function dependent in whole or in part upon its shape or design during end use, and which under normal conditions of use does not release more than very small quantities or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees."

This product is odorless, stable, and poses no immediate hazard to health. However, respiratory, hand and eye protection may be needed to prevent excess exposure to airborne particulates if dust is produced by cutting, sanding, grinding or if dust is produced by any other operation. These dusts may be harmful if inhaled. Aspiration hazard. Can enter the lungs and cause damage. Dust may contain trace materials which can cause target organ damage. Developmental Hazard – Dust may contain trace materials which can cause adverse developmental effects. Reproductive Hazard – Dust may contain trace materials which can cause adverse reproductive effects in females.

ALL WHMIS required information is included in appropriate sections based on the ANSI Z400.1-2004 format. This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR, EU Directives and the Japanese Industrial Standard JIS Z 7250: 2000.

See Section 15 for full text of Ingredient Risk Phrases and Safety Phrases

## 4. FIRST-AID MEASURES

Contaminated individuals of chemical exposure must be taken for medical attention if any adverse effect occurs. Rescuers should be taken for medical attention, if necessary. Take copy of label and MSDS to health professional with contaminated individual.

**SKIN EXPOSURE:** Not expected as a result of exposure to finished product. If dust generated by cutting, sanding or grinding of this product contaminates the skin, wash with soap and water after handling or before eating or smoking. Remove exposed or contaminated clothing, taking care not to contaminate eyes. The contaminated individual should seek medical attention if any adverse effect occurs.

**EYE EXPOSURE:** Not expected as a result of exposure to finished product. If dust generated by cutting, sanding or grinding of this product enters the eyes, open contaminated individual's eyes while under gently running water. Use sufficient force to open



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eyelids. Have contaminated individual "roll" eyes. Minimum flushing is for 15 minutes. Contaminated individual should seek medical attention if irritation occurs.

**INHALATION:** If breathing becomes difficult remove contaminated individual to fresh air. Seek medical attention if breathing difficulties continues.

**INGESTION:** Routine installation of this product is not expected to cause any situation which could lead to ingestion. If a significant quantity of dust from this product is swallowed, **CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION.**

If professional advice is not available, do not induce vomiting. Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or unable to swallow.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Skin and respiratory disorders may be aggravated by prolonged overexposures to dusts generated by sawing, sanding, grinding or altering this product.

**RECOMMENDATIONS TO PHYSICIANS:** Treat symptoms and eliminate overexposure.

## 5. FIRE-FIGHTING MEASURES

**FLASH POINT:** Not applicable

**AUTOIGNITION TEMPERATURE:** Not Applicable

**FLAMMABLE LIMITS (in air by volume, %):** Lower NA Upper NA

**FIRE EXTINGUISHING MATERIALS:** Use fire extinguishing materials appropriate for surrounding fire including water spray (for cooling), dry extinguishing media, carbon dioxide, foam.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** This product has no unusual fire or explosion hazards.

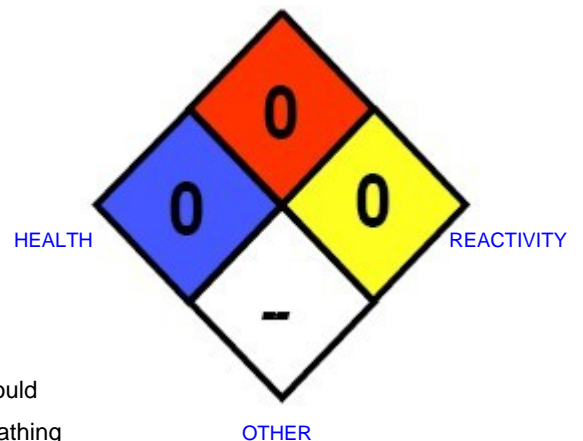
**Explosion Sensitivity to Mechanical Impact:** Not Sensitive

**Explosion Sensitivity to Static Discharge:** Not Sensitive

**SPECIAL FIRE-FIGHTING PROCEDURES:** Incipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray.

### NFPA RATING

FLAMMABILITY



Hazard Scale: 0 = Minimal 1 = Slight 2=Moderate  
3 = Serious 4 = Severe

If possible prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

## 6. ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** Pick-up for re-use or recycle.



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## 7. HANDLING AND STORAGE

**WORK PRACTICES AND HYGIENE PRACTICES:** Use appropriate personal protective equipment during handling. Protect against physical damage. Observe good hygiene practices.

**STORAGE AND HANDLING PRACTICES:** All employees who handle this material should be trained to handle it safely. Store panels in a cool, dry location, away from sources of intense heat. Store panels away from incompatible chemicals. Minimize dust in the work area.

## 8. EXPOSURE CONTROLS – PERSONAL PROTECTION

**VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation to ensure exposure levels are maintained below the limits provided below. Use local exhaust ventilation, and process enclosure if necessary, to control airborne dust. Ensure eyewash/safety shower stations are available near areas where this product is used.

### EXPOSURE LIMITS/GUIDELINES:

<u>Chemical Name</u>	<u>ACGIH-TLV's</u>	<u>OSHA PEL's</u>	<u>NIOSH- TLV's</u>	<u>Other</u>
Dust from cutting, sanding or grinding	10 mg/m <sup>3</sup>	15 mg/m <sup>3</sup> Total Dust	10 mg/m <sup>3</sup>	NE

NE = Not Established.

NIC = Notice of Intended Change

Currently, International exposure limits are established for the components of this product. Please check with competent authority in each country for the most recent limits in place.

The following information on appropriate Personal Protective Equipment is provided to assist employers in complying with OSHA regulations found in 29 CFR Subpart I (beginning at 1910.132) or equivalent standard of Canada, or standards of EU member states (including EN 149 for respiratory PPE, and EN 166 for face/eye protection), and those of Japan. Please reference applicable regulations and standards for relevant details.

**RESPIRATORY PROTECTION:** Respiratory protection is not needed for finished product. Respiratory protection may be required if exposure levels are exceeded during cutting, sanding or grinding. If necessary, use only respiratory protection authorized in the U.S. Federal OSHA Respiratory Protection Standard (29 CFR 1910.134), equivalent U.S. State standards, Canadian CSA Standard Z94.4-93, the European Standard EN149, or EU member states. Oxygen levels below 19.5% are considered IDLH by OSHA. In such atmospheres, use of a full-facepiece pressure/demand SCBA or a full facepiece, supplied air respirator with auxiliary self-contained air supply is required under U.S. Federal OSHA's Respiratory Protection Standard (1910.134-1998) or the regulations of various U.S. States, Canada, EU Member States, or those of Japan. Air-purifying respirators with dust/mist/fume filters are recommended if operations may produce mists or sprays from this product.

**EYE PROTECTION:** Not needed for finished product. Eye protection should be worn during cutting, sanding or grinding operations. If necessary, refer to U.S. OSHA 29 CFR 1910.133, Canadian Standards, and the European Standard EN166, Australian Standards, or relevant Japanese Standards.



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**HAND PROTECTION:** Not needed for finished product. Hand protection should be worn during handling, cutting, sanding or grinding operations. If necessary, refer to U.S. OSHA 29 CFR 1910.138, the European Standard DIN EN 374, the appropriate Standards of Canada, Australian Standards, or relevant Japanese Standards.

**BODY PROTECTION:** Not needed during normal use. If necessary, refer to appropriate Standards of Canada, or appropriate Standards of the EU, Australian Standards, or relevant Japanese Standards. If a hazard of injury to the feet exists due to falling objects, rolling objects, where objects may pierce the soles of the feet or where employee's feet may be exposed to electrical hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**VAPOR DENSITY:** Not Applicable

**EVAPORATION RATE (n-BuAc=1):** Not applicable

**SPECIFIC GRAVITY @ 20°C:** NA (water=1)

**SOLUBILITY IN WATER:** Not Soluble

**VAPOR PRESSURE, mm Hg @ 20°C :** Not Applicable

**PH:** Not Applicable

**ODOR THRESHOLD:** Odorless

**APPEARANCE, ODOR and COLOR:** This product is available in various colors

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable

**DECOMPOSITION PRODUCTS:** Combustion: This product will emit carbon monoxide, carbon dioxide, smoke and fumes when heated to decomposition.

**MATERIALS WITH WHICH SUBSTANCE IS INCOMPATIBLE:** This product is incompatible with acids, and oxidizing materials

**POSSIBILITY OF HAZARDOUS REACTIONS:** Will not occur

**CONDITIONS TO AVOID:** Extreme temperatures, incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

**TOXICITY DATA:** The specific toxicology data available for components greater than 1% in concentration are as follows.  
No toxicity data available for finished panel or individual components

**SUSPECTED CANCER AGENT:** The components of these products are listed by agencies tracking the carcinogenic potential of chemical compounds as follows:

TRACE ELEMENTS USED IN THE PAINTS FOR THIS PRODUCT MAY BE KNOWN CANCER CAUSING AGENTS.



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**IRRITANCY OF PRODUCT:** Airborne dusts of this product may irritate eyes.

**SENSITIZATION TO THE PRODUCT:** These products are not known to cause human skin or respiratory sensitization.

## 12. ECOLOGICAL INFORMATION

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

**PERSISTENCE/DEGRADABILITY:** No data for this product.

**ENVIRONMENTAL STABILITY:** Controls should be engineered to prevent release to the environment, including procedures to prevent spills, atmospheric release and release to waterways

**BIOACCUMULATION/ACCUMULATION:** Not applicable for this product.

## 13. DISPOSAL CONSIDERATIONS

**PREPARING WASTES FOR DISPOSAL:** Waste disposal must be in accordance with appropriate U.S. Federal, State, and local regulations, those of Canada, Australia, EU Member States and Japan.

## 14. TRANSPORTATION INFORMATION

**US DOT, IATA, IMO, ADR:**

**U.S. DEPARTMENT OF TRANSPORTATION (DOT) SHIPPING REGULATIONS:** This product is not classified as dangerous goods, per U.S. DOT regulations, under 49 CFR 172.101. Non-Regulated

**TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS:** These products are not classified as Dangerous Goods, per regulations of Transport Canada.

**INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA):** These products are not classified as Dangerous Goods, by rules of IATA:

**INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION:** These products are not classified as Dangerous Goods by the International Maritime Organization.

**EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR):** These products are not classified by the United Nations Economic Commission for Europe to be dangerous goods

## 15. REGULATORY INFORMATION

**UNITED STATES REGULATIONS:**

**U.S. SARA REPORTING REQUIREMENTS:** The components of these products are not subject to the reporting requirements of Sections 302, 304, and 313 of Title III of the Superfund Amendments and Reauthorization Act.

**U.S. SARA THRESHOLD PLANNING QUANTITY:** There are no specific Threshold Planning Quantities for any component of these products. The default Federal MSDS submission and inventory requirement filing threshold of 10,000 lb (4,540 kg) therefore applies, per 40 CFR 370.20.

**U.S. CERCLA REPORTABLE QUANTITY (RQ):** Not applicable.



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**U.S. TSCA INVENTORY STATUS:** The components of these products are listed in the TSCA Inventory.

**CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65):** There may be components present in the dusts from this product in trace amounts that are on the California Proposition 65 list. Warning! This product contains chemicals known to the State of California to cause cancer.

**CANADIAN REGULATIONS:**

**CANADIAN DSL/NDL INVENTORY STATUS:** The components of this product are on the DSL Inventory, or are exempted from listing.

**CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) PRIORITIES SUBSTANCES LISTS:** No component of this product is on the CEPA First Priorities Substance Lists.

**CANADIAN WHMIS CLASSIFICATION and SYMBOLS:** Not Applicable

**EUROPEAN ECONOMIC COMMUNITY INFORMATION:**

**EU DANGEROUS PREPARATIONS DIRECTIVE (DPD) LABELING AND CLASSIFICATION:** This product does not meet the definition of any hazard class, as defined by the European Union Council Directives 67/548/EEC and 1999/445/EC and subsequent Directives. For information on classification under CLP Regulation (EC) 1271/2008,

**Classification:** Not Applicable

**Risk Phrases:** Not Applicable

**Safety Phrases:** Not Applicable

**Annex II Hazard Symbol:** Not Applicable

**AUSTRALIAN INFORMATION FOR PRODUCT: AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS)**

**STATUS:** The components of this product are listed on the AICS.

**STANDARD FOR THE UNIFORM SCHEDULING OF DRUGS AND POISONS:** Not applicable.

**JAPANESE INFORMATION FOR PRODUCT:**

**JAPANESE MINISTER OF INTERNATIONAL TRADE AND INDUSTRY (MITI) STATUS:** The components of this product are not listed as Class I Specified Chemical Substances, Class II Specified Chemical Substances, or Designated Chemical Substances by the Japanese MITI.

## 16. OTHER INFORMATION

Although the information set forth herein is presented in good faith and believed to be correct as of the date of issuance, it has been furnished by our suppliers; consequently, SIKO INDUSTRY LIMITED makes no representations or warranties, express or implied, with respect to information herein presented. The information set forth herein is supplied upon the condition that the persons receiving same will make their own determination as to suitability for their purposes prior to use and relates only to the specific product described and not to such product in combination with any other product. In no event will SIKO INDUSTRY LIMITED be responsible for damages of any nature resulting from the use of or reliance upon this information.

