

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

TRADE NAME (AS LABELED) : Alcobond® Aluminum Composite Panel with Modified Mineral Core
 PRODUCT USE : Finished Aluminum Composite Panel
 MANUFACTURER'S NAME : RMK Industries LLC
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 WEBSITE : www.alcobond.com
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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 modified mineral 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 they are responding to.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Hazardous Ingredients:	CAS #	EINECS #	Hazard Symbol; Risk Phrases
Modified Mineral core	9002-88-4	NE	HAZARD CLASSIFICATION: NOT CLASSIFIED RISK PHRASES: NONE
Aluminum sheet stock	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:

To a specific shape or design during manufacture, which has end use function dependent in whole or in part of its shape or design during end use, and that under normal conditions of use does not release more than very small quantities, or trace amounts of hazardous chemical.

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 any other method that releases dust. These dusts may be harmful if inhaled, entering the lungs and causing potential damage. Dust may contain trace materials which can cause target organ damage (Aspiration Hazard). Dust may contain trace materials, which can cause adverse developmental effects (Developmental Hazard). Dust may contain trace materials, which can cause adverse reproductive effects in females (Reproductive Hazard).

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All WHMIS required information is included in the 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.

4. FIRST-AID MEASURES

Contaminated individuals exposed to hazardous chemical exposure must seek medical assistance immediately if any adverse effects occur. Rescuers should be taken for medical attention, if necessary. A copy of the label and MSDS must be taken to a health professional with the 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. Remove exposed or contaminated clothing, taking care not to contaminate eyes. The contaminated individual should seek medical attention if any adverse effects occur.

EYE EXPOSURE: Not expected as a result of exposure to finished product. If dust generated by cutting, sanding, or grinding of this product is exposed to the eyes, the contaminated individual must wash eyes with running water. Use sufficient force to open eyelids and wash eyes thoroughly. Contaminated individual must "roll" eyes to ensure a thorough cleanse. Minimum flushing is for 15 minutes. Contaminated individual should seek medical attention if irritation occurs.

INHALATION: If breathing becomes difficult, contaminated individual must seek fresh air. Seek medical attention if breathing difficulties continue.

INGESTION: Routine installation of this product is not expected to cause any situation that would lead to ingestion. If a significant quantity of dust from this product is swallowed, immediately CALL A PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, do not induce vomiting. Never give diluents 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 overexposure to dust generated by sawing, sanding, grinding, or altering of 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

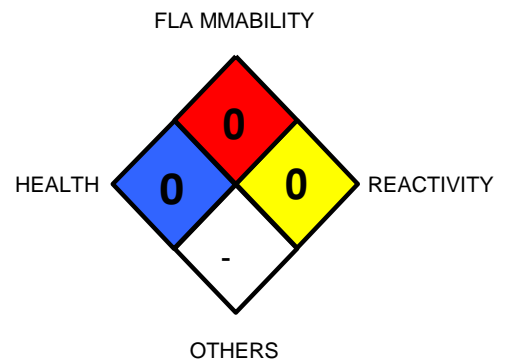
UNUSUAL FIRE AND EXPLOSION HAZARDS: This product has no unusual fire or explosion hazards

EXPLOSION SENSITIVITY TO MECHANICAL IMPACT: Not Sensitive

SENSITIVITY TO STATIC DISCHARGE: Not Sensitive

SPECIAL FIRE-FIGHTING PROCEDURES: Recipient fire responders should wear eye protection. Structural firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials that are 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. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

NFPA RATING



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

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6. ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK RESPONSE: Pick-up for reuse or recycle.

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 personnel that 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 (see Section 10, Stability and Reactivity). 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 and safety shower stations are available near areas where this product is used.

EXPOSURE LIMITS/GUIDELINES:

Chemical Name	ACGIH-TLV's	OHSA PEL's	NIOSH-TLV's	Other
Dust from cutting, sanding or grinding	10 m g/m	15 m g/m Total Dust	10 m g/m	NE

Currently, international exposure limits are established for the components of this product. Please check with competent authorities of 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 standards 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-face piece pressure/demand SCBA or a full face piece, 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.

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 hazards, use foot protection, as described in U.S. OSHA 29 CFR 1910.136.

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9. PHYSICAL AND CHEMICAL PROPERTIES

VAPOR DENSITY: Not Applicable

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

EVAPORATION RATE (n-BuAc=1): Not Applicable

SOLUBILITY IN WATER: Not Soluble

VAPOR PRESSURE, mm Hg @ 20°C (68 F): Not Applicable

ODOR THRESHOLD: Odorless

pH: Not Applicable

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 THAT ARE INCOMPATIBLE WITH THE SUBSTANCE: 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.

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, with 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, as 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.

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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.

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

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Risk Phrases: Not Applicable

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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.

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, RMK Industries LLC 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 individual receiving the same will make their own determination as to the 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 RMK Industries LLC be responsible for damages of any nature resulting from the use of or reliance of this information.