

**SECTION 1 Product and Company Information**

<b>PRODUCT NAME:</b> Polycore3 Panels	Chemtrec
<b>GENERIC NAME:</b> Polycore3 - Polyester Painted Aluminum (ACM) with a recycled polymer core.	24 Hour Emergency Number 1-800-424-9300 Information Number: 1-800-666-6216 CRM# CCN722733
DISTRIBUTOR: Life Science Products 124 Speer Road, Chestertown, MD 21620	
Comments: To the best of our knowledge, this Material Safety Data Sheet conforms to the requirements of US OSHA 29 CFR1910.1200, 91/155/ECC and Canadian Hazardous Products Act	

**SECTION 2 Hazards Identification**

<b>Emergency Overview</b> <b>This product contains no hazardous ingredients as defined under the criteria of the federal OSHA Hazard Communication Standard 29 CFR 1910.1200. Dust and other particulates generated during cutting, shaping or forming may cause eye, skin and respiratory tract irritation. This SDS contains information on the safe handling and proper use of the product. MSDS should be available for any person(s) in use of this product.</b>		<b>Potential Health Effects</b> Fabricating. Cutting. Drilling etc may cause dust. Eyes: Dusts and particulates may cause eye irritation Skin: Dusts and particulates may cause skin irritation Ingestion: Not likely a route of exposure under normal product usage Inhalation: Dusts and particulates may cause respiratory tract irritation	
Emergency Overview: Not expected to cause any adverse health effects when handled as recommended.		Pre-existing conditions or respiratory disorders may cause more susceptibility to these effects.	
Carcinogenicity: Not listed by NTP Not Listed by IARC Not Listed by OSHA	Not listed Reproductive Effects : Not Available Teratogenic Effects: No evidence of mutagenetic effects	<b>Signs and Symptoms of Overexposure:</b> Irritation of nose, throat and respiratory tract.	
<b>GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS</b>			
	<b>Health</b>	<b>Environmental</b>	<b>Physical</b>
Eye Irritant Skin Irritant Respiratory Irritant	None Known	Not Classified	Not Classified
Pictogram:			

**SECTION 3 Composition / Information on Ingredients**

Not considered a hazardous material or controlled substance. TLV and PEL not established. Once extruded, stable solid material that is non-hazardous when handled or processed in accordance with good manufacturing practices and industrial hygiene practices.

CAS	Component
25087-34-7	1-Butene, polymer with ethene
25213-02-9	1-Hexene, polymer with ethene
N/A	Solid sheets composed of glass, calcium carbonate, titanium dioxide, alumina and pigment embedded in a cured polymerized styrenated/acrylated polyester

**SECTION 4 First Aid Measures**

<b>Inhalation:</b>	Avoid inhalation if dust is generated. Remove person to fresh air. If other respiratory symptoms develop, or person is breathing irregular, seek medical attention immediately.
<b>Skin Contact:</b>	Flush with large amounts of water, If irritation persists, get medical attention
<b>Eye Contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention. Eye injuries from glass particles should be treated by a physician immediately.
<b>Ingestion:</b>	If ingested, get immediate medical attention or advice. Do not induce vomiting.

**SECTION 5 Fire Fighting Measures**

FLAMMABILITY: NO FIRE HAZARDS ANTICIPATED.  
 FLASH POINT: >343C (CLOSED CUP)  
 AUTO IGNITION TEMP: TYPICALLY 650 F OR HIGHER  
 EXTINGUISHING MEDIA: DRY CHEMICAL, CO2, WATER SPRAY  
 SPECIAL EXPOSURE: REMOVE ALL PERSONS FROM THE AREA OF INCIDENT. ISOLATE THE SCENE AND ONLY ALLOW SUITABLE PERSONAL TO TAKE ACTION.  
 HAZARDOUS THERMAL: COMBUSTION MAY YIELD CO, CO2, ALPHAIC, KETONES, ALDEHYDES, AROMATIC HYDROCARBONS AND HALOGENATED COMPOUNDS.  
 SPECIAL FIRE FIGHTING: USE MEDIA BEST SUITED FOR FIRE ENVIRONMENT. USE SELF CONTAINED BREATHING APPARATUS AND MEDIA BEST SUITED TO FIRE ENVIRONMENT, .STATIC DISCHARGE COULD BE AN IGNITION SOURCE FOR A COMBUSTIBLE CONCENTRATION OF DUST.

**SECTION 6 Accidental Release Measures**

Vacuum or sweep up material and dispose of properly. No special containment and clean up procedures required. No evacuation procedures required.

**SECTION 7 Handling and Storage**

Storage: Store in cool, dry area away from heat, sparks and open flame.  
 Handling: Avoid dust generation. See Section 8 for personal protection.

**SECTION 8 Exposure Controls / Personal Protection**

EXPOSURE GUIDELINES and Limits

PROTECTIVE CLOTHING: NONE SPECIFIED  
 RESPIRATORY PROTECTION: IF DUST IS GENERATED, USE NIOSH/MSA APPROVED RESPIRATOR SUCH AS 3M 8710  
 EYE PROTECTION: GOGGLES ARE RECOMMENDED TO AVOID SPLASHES, MISTS OR DUSTS.  
 HYGIENE PROTECTION: WASH SKIN WITH SOAP AND WATER AFTER HANDLING. APPROPRIATE TECHNIQUES SHOULD BE USED TO REMOVE ANY CONTAMINATED CLOTHING AND CLOTHING SHOULD BE WASHED BEFORE REUSING.  
 VENTILATIONS: VENTILATION IS NOT NORMALLY REQUIRED EXCEPT TO CONTROL DUST. DURING CUTTING, DRILLING, ETC, DUST TO BE CONTROLLED AND KEPT PARTICULATE NOT TO EXCEED 30M PPCF  
 EATING AND DRINKING ARE NOT TO BE DONE IN THE AREA OF FABRICATING.

**SECTION 9 Physical and Chemical Properties**

Appearance	
Form	solid
Color	varies
pH	N/A
Melting/Freezing Temperature	>248 F (120C)
Boiling Point	N/A
Ignition Temperature	Higher than 451 F
Autoignition Temperature	390 C
Melting Point	110-135 C
Vapor Pressure	1.5-1.7 (core)
Vapor Density (air=1)	Not applicable
Specific Gravity (water=1 @39.2F)	1.2-1.8 (core)
Evaporation Rate (Bac=1)	N/P
Odor	Slight waxy
Percent Volitie	Not applicable
Water Solubility	insoluble

**SECTION 10 Stability and Reactivity**

**REACTIVITY:** PRODUCT IS STABLE.  
**CONDITIONS TO AVOID:** AVOID DUST GENERATION  
**INCOMPATIBLE MATERIALS:** MAY REACT WITH STRONG OXIDIZING AGENTS.  
**HAZARDOUS**  
**POLYMERIZATION:** WILL NOT OCCUR UNDER NORMAL CONDITIONS.  
**CHEMICAL STABILITY:** IF HEATED TO MORE THAN 300C, THE PRODUCT MAY FORM VAPORS OR FUMES WHICH COULD CAUSE IRRITATION OF THE RESPIRATORY TRACT, COUGHING AND SHORTNESS OF BREATH. TO AVOID FIRE OR EXPLOSION, DISSIPATE STATIC ELECTRICITY DURING TRANSFER BY GROUNDING AND BONDING CONTAINERS AND EQUIPMENT BEFORE TRANSFERRING MATERIAL  
**DECOMPOSITION:** WILL NOT OCCUR UNDER NORMAL CONDITIONS. AT ELEVATED TEMPERATURES, MATERIAL WILL BEGIN TO DECOMPOSE, PRODUCING FUMES . FUMES AND FIRE MAY PRODUCE Co2, Co, ALPHAIC AND AROMATIC COMPOUNDS, HALOGENATED COMPONENTS

**SECTION 11 Toxicological Information**

United States: Acute Toxicity – Not Available Chronic Toxicity – Not Available Irritation/Corrosion – Not Available Sensitizer – Not Available Carcinogenicity – Not Available	Carcinogenicity – Not Available Mutagenicity – Not Available Teratogenicity – Not Available Reproductive Toxicity – Not Available
COMPONENT ANALYSIS LD50/LC 50 1-Butene,polymer with ethane Oral LD 50 Rat 4 g/kg	COMPONENT CARCINOGENICITY None of the products components are listed by ACGIH, IARC, OSHA, NIOSH or NTP

**SECTION 12 Ecological Information**

**GENERAL**  
 Biodegradability: Not determined Aquatic Ecotoxicity: Not Determined  
 Specific ecotoxicological data is not available for this product.  
 COMPONENT ANALYSIS- Not available for this product

**SECTION 13 Disposal Considerations**

**Waste Disposal**  
 Not judged to be hazardous  
 Disposal must comply with all Federal, State and Local regulations. See section 7 and 8 for handling and protection.

**SECTION 14 Transport Information**

Not classified as hazardous for transport.	DOT Classification: Not Regulated TDG Classification: Not Regulated
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**SECTION 15 Regulatory Information**

U.S. Federal Regulations:  
 Component Analysis None of the products components are listed under SARA section 302, SARA section 313, or CERCLA  
 State Regulations Not listed on state limits from CA, MA, MN,NJ, or RI  
 WHMIS IDL – no components listed  
 Additional Regulatory Information

Component Analysis – Inventory

CAS	Component	TSCA	CAN	EEC
25087-34-7	1-Butene, polymer with ethane	Yes	DSL	No
25213-02-9	1-Hexene, polymer with ethane	Yes	DSL	No



**SECTION 16 Other Information**

HMIS Rating – Health 1, Fire 0, Reactivity 1 Revised to be in compliance with new GHS regulations due by 12/1/2013.

**DISCLAIMER:** The above information is provided on the data available to us and believed to be true and accurate. The information contained herein is offered in good faith and no warranty, expressed or implied, are made regarding the accuracy of this data since conditions or use is beyond our control. 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. LSP, Inc. assumes no responsibilities for the use of handling of this product.

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LSP PERFORMANCE RESINS  
800.638.9874

124 Speer Road  
FAX 410.778.3625

Chestertown, MD 21620  
web [www.lspinc.com](http://www.lspinc.com)

**Material Safety Data Sheet**

May be used to comply with  
 OSHA's Hazard Communication Standard  
 29 CFR 1910.1200 Standard must be  
 consulted for specific requirements

U.S. Department of Labor  
 Occupational Safety and Health Administration  
 (Non-Mandatory Form)  
 Form Approved  
 OMB No. 1218-0072

IDENTITY (As Used on Label and List) <p style="text-align:center"><b>Kal-Lite</b></p>	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that
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<b>Section I</b>	
Manufacturer's Name <b>Kal-Lite Sales Division</b>	Emergency Telephone Number <b>(603) 627-3861</b>
Address (Number, Street, City, State and ZIP Code) <b>1111 Candia Road</b>	Telephone Number for Information <b>(603) 627-3861</b>
P.O. Box 237	Date Prepared <b>12-2013</b>
Manchester, N.H. 03105	Signature of Preparer (Optional) <b>MC</b>

<b>Section II – Hazardous Ingredients/ Identity Information</b>				
Hazardous Components (Specific Chemical Identity: Common Names(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)

Kal-Lite (F.R.P.) panels are solid sheets composed of glass, calcium carbonate, titanium dioxide, alumina and pigment embedded in a cured polymerized, styrenated/ acrylated polyester.

\* Not listed in NTP, LARC, OSHA

<b>Section III – Physical Characteristics</b>	
Boiling Point <p style="text-align:center">N/A</p>	Specific Gravity (H2O = 1) <p style="text-align:center">446-1.8</p>
Vapor Pressure (mm Hg.) <p style="text-align:center">N/A</p>	Melting Point <p style="text-align:center">N/A</p>
Vapor Density (AIR =1) <p style="text-align:center">N/A</p>	Evaporation Rate (Butyl Acetate = 1) <p style="text-align:center">N/A</p>
Solubility in Water <p style="text-align:center">Insoluble</p>	
Appearance and Odor <p style="text-align:center">Rigid Sheet, No Odor</p>	

<b>Section IV – Fire and Explosion Hazard Data</b>			
Flash Point (Method Used) <b>Ignition temperature higher than paper, 451 F</b>	Flammable Limits <p style="text-align:center">N/A</p>	LEL <p style="text-align:center">N/A</p>	UEL <p style="text-align:center">N/A</p>
Extinguishing Media <b>Water, CO 2, Dry Chemical</b>			
Special Fire Fighting Procedure Use media belt suited for fire environment. Use self-contained breathing apparatus for large scale fire			
Unusual Fire and Explosion Hazard Combustion may yield CO, CO2, aliphatic and aromatic hydrocarbons and halogenated compounds.			

Tests show combustion gases to be less toxic than those from wood.

(Reproduce locally)

**Section V – Reactivity Data**

Stability	Unstable	N/A	Conditions to avoid N/A
	Stable	XX	

Incompatibility (Materials to Avoid) **Alkali, strong mineral acids, hydrofluoric acids**

Hazardous Decomposition of Byproducts  
**Combustion may yield CO, CO2, aliphatic and aromatic compounds, halogenated compounds less toxic than wood**

Hazardous Polymerization	May Occur	N/A	Conditions to Avoid N/A
	Will Not Occur	N/A	

**Section VI – Health Hazard Data**

Route(s) of Entry	Inhalation? <b>X</b>	Skin? N/A	Ingestion? N/A
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Health Hazards (Acute and Chronic)  
**Fabricating, cutting, drilling ect. of Kal-Lite sheet may produce dust. Dust should be controlled and particulate level not to exceed 30M ppcf.**

Carcinogenicity	NTP? N/A	IARC Monographs ? N/A	OSHA Regulated? N/A
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Signs and Symptoms of Exposure  
**Inhalation of dust in excess of TLV may result in possible irritation of upper respiratory tract.**

Medical Conditions  
 Generally Aggravated by Exposure **Any condition generally aggravated by mechanical irritants in the air, or on the skin.**

Emergency or First Aid Procedures  
**Prolonged skin contact:** To reduce itching, wash with soap and warm water.  
**Eye Contact:** Flush with running water for at least 15 minutes.

**Section VII – Precautions for Safe Handling and Use**

Steps to be Taken in Case Material is Released or Spilled  
**N/A**

Waste Disposal Method  
**Dispose of as solid waste, as directed by an appropriate local, state or federal authority**

Precautions to be Taken in Handling and Storing  
**Store away from open flame and/ or torch. Wash skin with soap and water after handling.**  
**Wash dusty work clothes separately.**

Other Precautions  
**Eating & drinking should not be done in the fabricating area**

**Section VIII – Control Measures**

Respiratory Protection  
**Use NIOSH/ MSHA approved respirator as 3M8710, When machining, cutting or drilling.**

Ventilation	Local Exhaust Use adequate ventilation to control dust	Special N/A
	Mechanical (General) N/A	Other N/A

Protective Gloves <b>When fabricating, ect...</b>	Eye Protection <b>When fabricating, tooling, cutting, ect...</b>
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Other protective clothing or Equipment **N/A**  
 Work/ Hygienic Practices

**Keep dust particles to a minimum and keep work area clean.**

**\*NOTE:** The above information is accurate to the best of our knowledge. However, since data, safety standards and government regulations are subject to change and the conditions of use, or misuse, are beyond our control. Kal-Lite Sales Division makes no warranty, either expressed or implied, with respect to the completeness of continuing accuracy of the information contained herein and disclaims all liability for reliance thereon. User should be satisfied that he has all current data relevant to his particular use.