GridLock® Ultra Clean III Composite Panel

**Description**

GridLock Ultra Clean III Composite Panel is an aggregate of components made of a poly core laminated to powder coated aluminum front and back that forms a durable composite panel. The exposed face is poly coated aluminum. The surface finish is smooth and glossy and is ASTM E 84 Fire Rated.

The panel face is chemical resistant and can withstand high pressure wash down. The composite construction does not allow water infiltration making the panel moisture insensitive. The panel is recommended as a wall board installed directly over Gyp board or other hard board wall construction products. The panel is installed with a batten strip to conceal the butt joint. The Ultra Clean III panel greatly enhances the impact resistance and overall durability of standard Gyp construction and does not require subsequent painting.

Gridlock wall panels are ideal for use in facilities where cleaning and disinfecting are critical. The surface is dense, stain resistant, chemical resistant and impervious to water. The panels will not rust or deteriorate from continued exposure to water and chemicals.

GridLock Ultra Clean III panels can be used in food service, animal holding rooms, utility corridors and clean room applications.

**Properties:**

**Finish:**

**Fire Rating:** Class 1 ASTM E 84 for flame spread of 25 or less

**Light Reflectance:** LR-1, 0.75 or greater

**Minimum Weight:** 1.0 lbs. per square foot

**Finish:** Powder coated aluminum

**Standard Sizes:** 4’ X 8’ and 4’ x 10’ (Panels can be cut to custom sizing if required)

**Panel thickness:** 3 mm

**Color:** White

**Finish:** Gloss

**Cleaning:** GridLock Ultra Clean III panels can withstand daily surface washing, wet wiping, dusting and vacuuming and can withstand high-pressure washing. The resinous finish will not support the growth of bacteria or mold. The surface may scratch if an abrasive cleaner or brush is used.

**Sound Absorption:** N/A

**Installation:** Prior to installation the area in consideration should be at operating conditions for temperature and relative humidity for at least 24 hours prior to and during installation to ensure proper fit and seal.
SECTION 1  Product and Company Information

PRODUCT NAME: UltraClean III panels
GENERIC NAME: Polymetal
DISTRIBUTOR: Life Science Products, Inc.
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

Emergency Overview
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.

Emergency Overview: Not expected to cause any adverse health effects when handled as recommended.

Carcinogenicity:
Not listed by NTP
Not Listed by IARC
Not Listed by OSHA

Potential Health Effects
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

Signs and Symptoms of Overexposure:

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

<table>
<thead>
<tr>
<th>Health</th>
<th>Environmental</th>
<th>Physical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Irritant</td>
<td>None Known</td>
<td>Not Classified</td>
</tr>
<tr>
<td>Skin Irritant</td>
<td></td>
<td>Not Classified</td>
</tr>
<tr>
<td>Respiratory Irritant</td>
<td></td>
<td>Not Classified</td>
</tr>
</tbody>
</table>

Pictogram:

SECTION 3  Composition / Information on Ingredients

Polymetal component contains (CAS#)
- Aluminium 7429-90-5
- Magnesium 7439-95-4
- Silicon 7440-21-3
- Chromium 7440-47-3
- Polyethylene 9002-88-4
- Manganese 7439-96-5
- Iron 7439-89-6
- Coatings

SECTION 4  First Aid Measures

Inhalation: Remove person to fresh air. If other respiratory symptoms develop, or person is breathing irregular, seek medical attention immediately.

Skin Contact: Immediately flush with large amounts of water. For itching, wash the skin with soap and water. Remove any contaminated clothing. If irritation, continues, seek medical attention.

Eye Contact: Immediately flush eyes with plenty of water and seek medical advice. Eye injuries from glass particles should be treated by a physician immediately.

Ingestion: Get immediate medical attention or advice. Do not induce vomiting.
SECTION 5  Fire Fighting Measures

**FLAMMABILITY:** SEE SECTION 9 FOR FLAMMABILITY PROPERTIES — NO FIRE HAZARDS ANTICIPATED.

**FLASH POINT:** NOT DETERMINED

**AUTO IGNITION TEMP:** NO DATA

**EXTINGUISHING MEDIA:** USE EXTINGUISHING MEDIA SUITABLE FOR SURROUNDING AREA

**SPECIAL EXPOSURE:** REMOVE ALL PERSONS FROM THE AREA OF INCIDENT. ISOLATE THE SCENE AND ONLY ALLOW SUITABLE PERSONAL TO TAKE ACTION.

**HAZARDOUS THERMAL:** NOT DETERMINED

**SPECIAL FIRE FIGHTING:** USE MEDIA BEST SUITED FOR FIRE ENVIRONMENT. USE SELF CONTAINED BREATHING APPARATUS FOR LARGE SCALE FIRE FIREFIGHTERS SHOULD WEAR FULL PROTECTIVE GEAR.

SECTION 6  Accidental Release Measures

No special containment and clean up procedures required. No evacuation procedures required.

SECTION 7  Handling and Storage

Storage: No special storage requirements

Handling: Avoid dust generation. See Section 8 for personal protection.

SECTION 8  Exposure Controls / Personal Protection

**EXPOSURE GUIDELINES and Limits**

<table>
<thead>
<tr>
<th>NAME</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>1mg/m3 TWA</td>
<td>1mg/m3 TWA total dust 5mg/m3 TWA (respirable faction)</td>
<td>10 mg/m3 TWA (total dust; 5mg/m3 TWA (respirable dust)</td>
</tr>
<tr>
<td>Manganese</td>
<td>.2 mg/m3 TWA</td>
<td>1mg/m3 TWA (Fume); 3mg/m3 STEL; 5 mg/m3 Ceiling</td>
<td>1mg/m3 TWA (Fume); 3mg/m3 STEL;</td>
</tr>
<tr>
<td>Silicon</td>
<td>.5 mg/m3 TWA</td>
<td>10 mg/m3 TWA (total dust); 5mg/m3 TWA (Respirable fraction)</td>
<td>10 mg/m3 TWA (total dust); 5mg/m3 TWA (Respirable dust)</td>
</tr>
<tr>
<td>Chromium</td>
<td>.5 mg/m3 TWA</td>
<td>1mg/m3 TWA</td>
<td>.5 mg/m3 TWA</td>
</tr>
</tbody>
</table>

**PROTECTIVE CLOTHING:** NOT NORMALLY NEEDED

**RESPIRATORY PROTECTION:** NOT NORMALLY NEEDED

**EYE PROTECTION:** DUST GOGGLES

**HYGIENE PROTECTION:** AN EYE WASH STATION AND EMERGENCY SHOWER IN WORK AREA IS RECOMMENDED. 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.

**VENTILATION:** VENTILATION IS NOT NORMALLY REQUIRED EXCEPT TO CONTROL DUST. EATING AND DRINKING ARE NOT TO BE DONE IN THE AREA OF FABRICATING.

SECTION 9  Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Solid</td>
</tr>
<tr>
<td>Form</td>
<td>varies</td>
</tr>
<tr>
<td>Color</td>
<td>N/A</td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
</tr>
<tr>
<td>Melting/Freezing Temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>N/A</td>
</tr>
<tr>
<td>Ignition Temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Lower explosive limit; na</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor Density (air=1)</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific Gravity (water=1 @39.2F)</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Evaporation Rate (Bac=1)</td>
<td>N/P</td>
</tr>
</tbody>
</table>
Odor: None
Odor threshold: 
Water Solubility: insoluble

SECTION 10: Stability and Reactivity

Reactivity: PRODUCT IS STABLE.
Conditions to Avoid: AVOID DUST GENERATION
Incompatible Materials: NOT DETERMINED
Hazardous Polymerization: WILL NOT OCCUR UNDER NORMAL CONDITIONS.
Hazardous Decomposition: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

SECTION 11: Toxicological Information

LD50/LC50
Polyethylene – Inhalation LC50 Mouse 12 g/m3 30 Min
Magnesium - Oral LD50 rat 230 mg/kg
Manganese - Oral LD50 rat 9 g/kg
Iron - Oral LD50 rat 984 mg/kg
Silicon – Oral LD50 Rat 3160 mg/kg

Carcinogenicity
Aluminum – ACGIH - A4 Not classified as human carcinogen
Polyethylene – IARC- Supplement 7 Monograph 19
Chromium- ACGIH A4 Not classifiable as a human carcinogen
IARC – Monograph 49 Supplement 7

SECTION 12: Ecological Information

Biodegradability: Not determined
Aquatic Ecotoxicity: Iron - 96 HR LC50 Monroe saxatilis – 13.6 mg/L (static) 96 HR LC 50 Cyprinus carpio .56 Mg/l (semi-static)
Specific ecotoxicological data is not available for this product.

SECTION 13: Disposal Considerations

Waste Disposal
Component Waste level- Chromium RCRA- 5.0 mg/L regulatory level
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

SECTION 15: Regulatory Information

U.S. Federal Regulations:
Component Analysis- This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4)
Aluminum (7429-90-5) SARA 313: 1.0% de minimus concentration (dust or fume only)
Manganese (7439-96-5) SARA 313: 1.0% de minimus concentration
Chromium (7440-47-3) CERCLA: 5000 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is larger than 100 micrometers) 2270 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is larger than 100 micrometers)
State Regulations
Component Analysis – State-
### Component Analysis – WHMIS-DL

The following components are identified under the Canadian Hazardous Products Act Ingredients Disclosure Act.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>Minimum Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>1%</td>
</tr>
<tr>
<td>Manganese</td>
<td>7439-96-5</td>
<td>1%</td>
</tr>
<tr>
<td>Chromium</td>
<td>7440-47-3</td>
<td>0.1%</td>
</tr>
</tbody>
</table>

### Additional Regulatory Information

#### Component Analysis – Inventory

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>TSCA</th>
<th>CAN</th>
<th>EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum</td>
<td>7429-90-5</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
<tr>
<td>Magnesium</td>
<td>7439-95-4</td>
<td>Yes</td>
<td>DSL</td>
<td>No</td>
</tr>
<tr>
<td>Manganese</td>
<td>7439-96-5</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
<tr>
<td>Iron</td>
<td>7439-89-6</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
<tr>
<td>Silicon</td>
<td>7440-21-3</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
<tr>
<td>Chromium</td>
<td>7440-47-3</td>
<td>Yes</td>
<td>DSL</td>
<td>EINECS</td>
</tr>
</tbody>
</table>

### SECTION 16  Other Information

Revised to be in compliance with new GHS regulations due by 12/1/2013.

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