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.

Material Safety Data Sheet Ultra Clean III Panels

Effective Date: 01/01/2015 Previous Revision date: 00/00/0000 Date Printed: 3/19/2015

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

Chemtrec
24 Hour Emergency Number 1-800-424-9300
Information Number: 1-800-666-6216
CRM# CCN722733

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.

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

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

Signs and Symptoms of Overexposure:

GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

Health		Environmental	Physical
Eye Irritant Skin Irritant Respiratory Irritant	None Known	Not Classified	Not Classified

Pictogram:

SECTION 3 Composition / Information on Ingredients

Polymetal component contains (CAS#)

Aluminium 7429-90-5	Polyethylene 9002-88-4
Magnesium 7439-95-4	Manganese 7439-96-5
Silicon 7440-21-3	Iron 7439-89-6
Chromium 7440-47-3	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 shold 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

NAME	ACGIH	OSHA	NIOSH
Aluminum	1mg/m3 TWA	1mg/m3 TWA total dust 5mg/m3 TWA (respirable faction)	10 mg/m3 TWA (total dust; 5mg/m3TWA (respiranble dust
Manganese	.2 mg/m3 TWA	1mg/m3 TWA (Fume); 3mg/m3 STEL; 5 mg/m3 Ceiling	1mg/m3 TWA (Fume); 3mg/m3 STEL;
Silicon		10 mg/m3 TWA (total dust); 5mg/m3 TWA (Respirable fraction)	10 mg/m3 TWA (total dust); 5mg/m3 TWA (Respirable dust)
Chromium	.5 mg/m3 TWA	1mg/m3 TWA	.5 mg/m3 TWA

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.
VENTILATIONS: **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

Appearance Form Color pH Melting/Freezing Temperature Boiling Point	 Solid varies N/A N/A N/A
Ignition Temperature	Not determined
Autoignition Temperature Lower explosive limit; na	Not applicable
Vapor Pressure	Not applicable
Vapor Density (air=1)	Not applicable
Specific Gravity (water=1 @39.2F)	Not Determined
Evaporation Rate (Bac=1)	N/P

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/LC 50	Carcinogenicity
Polyethylene – Inhalation LC50 Mouse 12 g/m3 30 Min	Aluminum – ACGIH - A4 Not classified as human carcinogen
Magnesium - Oral LD50 rat 230 mg/kg	Polyethylene – IARC- Supplement 7 Monograph 19
Manganese - Oral LD50 rat 9 g/kg	Chromium- ACGIH A4 Not classifiable as a human carcinogen
Iron - Oral LD50 rat 984 mg/kg	IARC – Monograph 49 Supplement 7
Silicon – Oral LD50 Rat 3160 mg/kg	

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 Regultory 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 micometers) 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	CAS	CA	MA	MN	NJ	PA	RI
Aluminum	7429-90-5	Yes	Yes	Yes	Yes	Yes	Yes
Magnesium	7439-95-4	Yes	Yes	No	Yes	Yes	Yes
Manganese	7439-96-5	Yes	Yes	Yes	Yes	Yes	Yes
Iron	7439-89-6	Yes	No	No	No	No	No
Silicon	7440-21-3	No	Yes	Yes	Yes	Yes	Yes
Chromium	7440-47-3	Yes	Yes	Yes	Yes	Yes	Yes

Component Analysis – WHMIS-DL The following components are identified under the Canadian Hazardous Products Act Ingredients Disclosure Act

Component	CAS	Minimum Concentration
Aluminum	7429-90-5	1%
Manganese	7439-96-5	1%
Chromium	7440-47-3	0.1%

Additional Regulatory Information

Component Analysis – Inventory

Component	CAS	TSCA	CAN	EEC
Aluminum	7429-90-5	Yes	DSL	EINECS
Magnesium	7439-95-4	Yes	DSL	No
Manganese	7439-96-5	Yes	DSL	EINECS
Iron	7439-89-6	Yes	DSL	EINECS
Silicon	7440-21-3	Yes	DSL	EINECS
Chromium	7440-47-3	Yes	DSL	EINECS

SECTION 16 Other Information

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

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