

ArmorWall VP Structural Insulated Sheathing™

Safety Data Sheet (SDS)

SECTION 1.0 - IDENTIFICATION

1.1 - Product Identifier

Product Form Fused multi-component sheathing panel.
Product Identifier ArmorWall VP Structural Insulated Sheathing™

1.2- Product Use

Muti-component Structural Integrated Sheathing with Vapor Permeable Coating for Interior/Exterior wall assembly.

1.3 - Product Supplier

Manufacturing and Distribution Max-Life LLC dba MaxLife Industries
Address 4995 South Main Street Salisbury, North Carolina 28147
Website www.maxlifeindustries.com
Customer Support Email cs@maxlifeindustries.com
Office Telephone Number 1-844-MAX4YOU (1-844-629-4968)

1.4 - Emergency Contact

Emergency Telephone Contact your local emergency services.

SECTION 2.0 - HAZARDS IDENTIFICATION

2.1 - Urethane Insulation Component

2.1.1 - Classification of the Substance Mixture

Classification (GHS-US)

Skin Irritation Category 4

Eye Irritation Category 3

2.1.2 - Label Elements

GHS-US Labeling

Hazard Statements (GHS-US)

H320 - Dust may cause eye irritation.
H335 - Dust may cause respiratory irritation.

Precautionary statements (GHS-US)

P260 - Do not breathe dust.
P282 - Wear protective gloves/eye protection/face protection.
P303 - If on Skin: Wash with plenty of soap and water.
P305 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.1.3 - Other hazards

- Rigid foam dust from fabricating operations is an irritant and is flammable. Dust should be collected at the point of generations and stray dust should be regularly swept up.
- Large amounts of rigid polyurethane foam assembled in one place, such as for processing into finished products or in storage, present a potential fire hazard. Once ignited, these foams may spread flame rapidly and produce intense heat, dense smoke, and toxic gases. Raw foam and fabricated items should be stored indoors, away from fabricating operations, and be protected by automatic sprinklers. Access aisles should be maintained between foam plies.

2.1.4 - Unknown acute toxicity (GHS-US)

No data available.

2.2 - Magnesium Oxide Sheathing Component

2.2.1 - Mixture Classification

Carc. Not classified as carcinogen. No known toxicity effects.

2.2.2 - Label Elements

Eyes Dust and chip form - irritation hazard.
Inhalation Dust and chip form - No hazard.
Skin Fiberglass mesh may cause itching/irritation when cut.
Ingestion No Known hazard.
Carc. Not classified as carcinogen. No known toxicity effects.

Emergency Overview

Prolonged exposure to dust while cutting may be irritating to eyes, nose, and throat. Score and snap generates less dust.

2.2.3 - Other Hazards

No data available.

2.2.4 - Unknown Acute Toxicity (GHS-US)

No data available.

2.3 - Vapor Permeable Coating Component

2.3.1 - Mixture Classification

Classification (GHS-US)

Carc. Category 1A Carinogenicity

2.3.2 - Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



GHS07

Danger
H350 - May cause cancer

Signal word (GHS-US)

Hazard Statements (GHS-US)

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SECTION 2.0 - HAZARDS IDENTIFICATION

2.3 - Vapor Permeable Coating Component

2.3.2 - Label Elements

Section continued from page 1

Appearance	Viscous
Physical State	Liquid
Odor	Slight Ammonia
Precautionary statements (GHS-US)	P201 - Obtain special instructions before use.
Prevention	P202 - Do not handle until all safety precautions have been read and understood. P281 - Use personal protective equipment as required.
Precautionary statements (GHS-US)	P308+P313 - IF exposed or concerned: Get medical advice/attention.
Response	
Precautionary statements (GHS-US)	P405 - Store locked up
Storage	
Precautionary statements (GHS-US)	P501 - Dispose of contents/container to an approved waste disposal plant
Disposal	

SECTION 3.0 - COMPOSITION/INFORMATION ON INGREDIENTS

3.1 - Urethane Insulation Component

3.1.1 - Substance

Not applicable.

3.1.2 - Mixture

Not applicable.

3.2 - Magnesium Oxide Sheathing Component

3.2.1 Substance

Not applicable.

3.2.2 Mixture

Chemical Name	%
Magnesium Oxide (MgO)	42-61.5
Magnesium Chloride (MgCl ₂)	35-56
Perlite	1-6
Recycled Filtered Wood Shavings	2-7
Phosphate (PO ₄)	1-3
Fiberglass Mesh	1-3

3.3 - Vapor Permeable Coating Component

3.3.1 - Substance

Not applicable.

3.3.2 - Mixture

Chemical Name	CAS No	Weight - %	Trade Secret
Limestone	1317-65-3	30 - 60	--
Water	7732-18-5	15 - 40	--
Proprietary - Acrylic Polymer	Undisclosed	10 - 30	--
Titanium Dioxide	13463-67-7	1 - 5	--
Propylene Glycol	25322-69-4	1 - 5	--
Quartz	14808-60-7	0.1 - 1	--
Diphenyl Ketone	119-61-9	0.1 - 1	--

-- The exact percentage (concentration) of composition has been withheld as a trade secret

SECTION 4.0 - FIRST-AID MEASURES

4.1 - Urethane Insulation Component

4.1.1 - Description of first-aid measures

First-aid measures after inhalation	Move to fresh air if symptoms develop. If breathing is difficult, give oxygen and call physician.
First-aid measures after eye contact	Flush with water for at least 15 minutes. See a physician if irritation develops.
First-aid measures after ingestion	Rinse mouth.
First-aid measures after skin contact	Wash with soap and water.

4.1.2 - Most important symptoms and effects, both acute and delayed

Acute eye or respiratory irritation, characterized by eye watering, coughing or sneezing. Treat symptomatically.

4.1.3 - Indication of any immediate medical attention and special treatment needed

No additional information available.

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SECTION 4.0 - FIRST-AID MEASURES

Section continued from page 2

4.2 - Magnesium Oxide Sheathing Component

4.2.1 Description of first-aid measures

First-aid measures after inhalation	Move to fresh air environment. Contact physician if irritation persists.
First-aid measures after skin contact	Wash with soap and water.
First-aid measures after eye contact	Check for and remove any contact lenses. Immediately flush eyes with clean water. Contact physician if irritation persists.
First-aid measures after ingestion	Rinse mouth and seek medical attention if symptoms occur.

4.2.2 Most important symptoms and effects, both acute and delayed

Medical Conditions Generally Aggravated by

Exposure Asthma: Inhalations of dust.

4.2.3 Indication of any immediate medical attention and special treatment required

No additional information available.

4.3 - Vapor Permeable Coating Component

4.3.1 - Description of first-aid measures

Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician
Skin contact	Wash skin with soap and water
Inhalation	Remove to fresh air
Ingestion	Clean mouth with water and drink afterwards plenty of water. Call a physician

4.3.2 - Most important symptoms and effects, both acute and delayed

Symptoms May cause skin irritation.

4.3.3 - Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

SECTION 5.0 - FIRE-FIGHTING MEASURES

5.1 - Urethane Insulation Component

5.1.1 - Extinguishing media

Suitable extinguishing media	Water, dry chemicals, CO ₂
Unsuitable extinguishing media	None.

5.1.2 - Special hazards arising from the substance or mixture

No additional information available

5.1.3 - Advice for firefighters

Firefighting instructions A self-contained breathing apparatus should be worn to protect against toxic and irritating vapors.

5.2 - Magnesium Oxide Sheathing Component

5.2.1 - Extinguishing Media

Extinguishable Media Product does not ignite. Use fire extinguishing media appropriate for surrounding materials.

5.2.2 - Special Hazards Arising from the Substance or Mixture

Special Fire Fighting Procedures Local surfaces may be cooled with water, but product will not be hot to the touch even after intense heat exposure.

5.2.3 - Advice for firefighters

Panel is non-flammable and non-combustible.

5.3 - Vapor Permeable Coating Component

5.3.1 - Extinguishing media

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	Caution: Use of water spray when fighting fire may be inefficient.

5.3.2 - Special hazards arising from the chemical

No information available

5.3.3 - Protective equipment and precautions for firefighters

Firefighting instructions As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6.0 - ACCIDENTAL RELEASE MEASURES

6.1 - Urethane Insulation Component

6.1.1.1 - For non-emergency personnel

Emergency procedures Evacuate unnecessary personnel.

6.1.1.2 - For emergency responders

Protective equipment Wear eye and respiratory protection from dust.
Emergency procedures Remove ignition sources.

6.1.2 - Environmental precautions

None.

6.1.3 - Methods and material for containment and cleaning up

Methods for cleaning up Waste material should be disposed of under conditions which meet federal, state, and local environmental regulations.

6.1.4 - Reference to other sections

None.

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SECTION 6.0 - ACCIDENTAL RELEASE MEASURES

Section continued from page 3

6.2 - Magnesium Oxide Sheathing Component

6.2.1.1 - For Non-emergency Personnel

See Section 8 of the SDS for Personal Protective Equipment.

6.2.1.2 - For Emergency Responders

See Section 8 of the SDS for Personal Protective Equipment.

6.2.2 - Environmental Precautions

No specific clean-up procedure noted.

6.2.3 - Methods and material for containment and cleaning up

Dust and chips may be swept, scooped, and/or vacuumed for removal.

6.2.4 - Reference to Other Sections

No additional references.

6.3 - Vapor Permeable Coating Component

6.3.1.1 - For non-emergency personnel

Emergency procedures

Evacuate unnecessary personnel.

6.3.1.2 - For emergency responders

Personal precautions

Use personal protective equipment as required. Avoid contact with eyes and skin.

6.3.2 - Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

6.3.3 - Methods and material for containment and cleaning up

Methods for containment

Prevent further leakage or spillage if safe to do so.

Methods for cleaning up

Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains.

6.3.4 - Reference to other sections

See Section 12 for additional ecological information.

SECTION 7.0 - HANDLING AND STORAGE

7.1 - Urethane Insulation Component

7.1.1 - Precautions for safe handling

Precautions for safe handling

None.

7.1.2 - Conditions for safe storage, including any incompatibilities

Storage conditions

None.

Incompatible products

No additional information.

Incompatible materials

No additional information.

7.1.3 - Specific end use(s)

No Additional information available.

7.2 - Magnesium Oxide Sheathing Component

7.2.1 - Precautions and Safe Handling

Use work methods that minimize the creation of dust. Try to avoid the inhalation of dust wherever possible. Wear appropriate personal protective equipment. Wash hands after use. Observe good industrial hygiene practices. Ensure that forklift or similar equipment is rated as capable of lifting and moving loads. Forks should extend completely under the entire load. Forks should be extended as wide as practical.

Boards are heavy, awkward loads and pose the risk of severe back injury. Always use proper lifting techniques.

7.2.2 - Conditions of Safe Storage, Including any Incompatibilities

Board should be stored in a cool dry environment and should remain in the manufacturer's packaging bearing the brand name and manufacturer's logo and Listing Number until ready for use.

Board should be stored on the manufacturer's pallets off the ground and away from standing water. Cover with a waterproof material when stored outdoors or on site to protect against weather, direct sunlight, surface contamination and construction traffic.

7.2.3 - Specific end use(s)

No additional information available.

7.3 - Vapor Permeable Coating Component

7.3.1 - Precautions for safe handling

Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice.

7.3.2 - Conditions for safe storage, including any incompatibilities

Storage conditions

Keep out of the reach of children. Keep container tightly closed in a dry and well-ventilated place.

Incompatible materials

No known based on information supplied.

SECTION 8.0 - EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 - Urethane Insulation Component

8.1.1 - Exposure Limits

Polyurethane Foam

Not listed as a carcinogen (NTA, IARC, OSHA).

8.1.2 - Control Parameters

None.

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SECTION 8.0 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Section continued from page 4

8.1.3 - Exposure Controls

Respiratory Protection Dust mask when fabricating or cutting.
 Hand, Eye, Skin, and Body Protection Wear goggles or chemical safety glasses and chemically resistant rubber or plastic gloves. Avoid eye and skin contact. Eye wash system and showers should be available.

8.2 - Magnesium Oxide Sheathing Component

8.2.1 - Exposure Limits

Occupational Exposure Limits US OSHA Table Z-1 Limits for Air Contaminants

Components	CAS #	OSHA PEL Value	Form
Magnesium Oxide	1309-48-4	15 mg/m ³	Nuisance particulate
Perlite	130885-09-5	5 mg/m ³	Nuisance dust
Fiberglass Mesh	65997-17-3	15 mg/m ³ 5 mg/m ³	Total dust Respirable fraction

US ACGIH Threshold Limit Values

Components	CAS #	ACGIH-TLV Value	Form
Magnesium Oxide	1309-48-4	10 mg/m ³	Nuisance particulate
Perlite	130885-09-5	10 mg/m ³	Total nuisance dust
Fiberglass Mesh	65997-17-3	5 mg/m ³ 1 f/cc	Inhalable Respirable fibers

8.2.2 - Control Parameters

Ventilation General under standard conditions. Local exhaust/extraction is recommended in high dust environments.

8.2.3 - Exposure Controls

Skin Protection Protective gloves and/or clothing.
 Industrial Hygiene Practices It is a good industrial hygiene practice to minimize direct skin contact for extended periods of time wherever possible.
 Eye Protection Safety glasses or goggles.
 Respiratory Protection Approved dust mask or respirator.
 Other Protective Clothing or Equipment None.
 Work/Hygiene Practices General clean-up after exposure. Score and snap generates less dust than sawing, thus minimizing nuisance dust.

8.3 - Vapor Permeable Coating Component

8.3.1 - Control Parameters

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Limestone 1317-65-3		TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust
Titanium dioxide 13463-67-7	TWA: 10 mg/m ³	TWA: 15 mg/m ³ total dust (vacated) TWA: 10 mg/m ³ total dust (vacated) TWA: 0.1 mg/m ³ respirable dust : (30)/(%SiO ₂ +2) mg/m ³ TWA total dust : (250)/(%SiO ₂ +5) mppcf TWA respirable fraction : (10)/(%SiO ₂ +2) mg/m ³ TWA respirable fraction	IDLH: 5000 mg/m ³
Quartz 14808-60-7	TWA: 0.025 mg/m ³ respirable fraction		IDLH: 50 mg/m ³ respirable dust TWA: 0.05 mg/m ³ respirable dust

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information

Vacated limits revoked by Court of Appeals decision in ALF-C10 vs. OSHA, 965 F.2d 962 (11th Cir., 1992).

8.3.2 - Appropriate Engineering Controls

Engineering Controls None under normal use conditions

8.3.3 - Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).
 Skin and body protection Gloves
 Respiratory protection If exposure limits are exceeded or irritation is experienced. NIOSHA/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

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SECTION 9.0 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 - Urethane Insulation Component

9.1.1 - Information and basic physical and chemical properties

Physical state	Structure.
Appearance	Solid.
Color	Tan or other characteristic color.
Odor	Slight.
Odor Threshold	Not applicable.
pH	Not applicable.
Relative evaporation rate (butyl acetate=1)	Slower than Ether.
Melting point	Not applicable.
Freezing point	Not applicable.
Boiling point	Not applicable.
Flash point	Not applicable.
Auto-ignition temperature	>700°F.
Decomposition temperature	>500°F.
Flammability (solid, gas)	Not applicable.
Vapor pressure	Not applicable.
Relative vapor density at 20 °C	Not applicable.
Specific gravity	Not applicable.
Density	0.005-0.32g/ml
Solubility	Insoluble.
Log Pow	Not applicable.
Log Kow	Not applicable.
Viscosity, kinematic	Not applicable.
Viscosity, dynamic	Not applicable.
Explosive properties	Not applicable.
Oxidizing properties	Not applicable.
Explosive limits	Not applicable.

9.1.2 - Other information

None.

9.2 - Magnesium Oxide Sheathing Component

9.2.1 - Information and basic physical and chemical properties

Appearance	Solid sheet material.
Physical State	Solid.
Form	Board/Panel.
Color	White/Off-white.
Odor	None.
Odor Threshold	Non applicable.
pH	Non-Soluble.
Melting Point/Freezing Point	Not applicable.
Initial Boiling Point and Boiling Range	Not applicable.
Flash Point	Not applicable.
Evaporation Rate	Not applicable.
Flammability (solid, gas)	Not applicable.
Upper/Lower Flammability or Explosive Limits	Not applicable.
Flammability Limit - Lower (%)	Not applicable.
Flammability Limit - Upper (%)	Not applicable.
Explosive Limit - Lower (%)	Not applicable.
Explosive Limit - Upper (%)	Not applicable.
Vapor Pressure	Not applicable.
Vapor Density	Not applicable.
Density	50-60 lb/ft
Solubility (Water)	Non-soluble.
Partition Coefficient (n-octanol/water)	Not applicable.
Auto-Ignition Temperature	Not applicable.
Decomposition Temperature	Unknown.
Viscosity	Not applicable.
Bulk Density	55-60 lb/ft
Particle Size	Varies.
VOC (Weight %)	0%

9.2.2 - Other information

None.

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SECTION 9.0 - PHYSICAL AND CHEMICAL PROPERTIES

9.3 - Vapor Permeable Coating Component

9.3.1 - Information and basic physical and chemical properties

Physical state	Liquid
Appearance	Viscous
Color	Light purple
Odor	Slight ammonia
Odor Threshold	No information available
pH	9.14
Melting point / Freezing point °F	No information available
Boiling point / boiling range	No information available
Flash point	> 212°F (100°C)
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability Limit in Air	
Upper flammability limit	No information available
Lower flammability limit	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific gravity	1.4
Water solubility	
Solubility in other solvents	No information available
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available

SECTION 10.0 - STABILITY AND REACTIVITY

10.1 - Urethane Insulation Component

10.1.1 - Reactivity

No additional information available.

10.1.2 - Chemical stability

Stable.

10.1.3 - Possibility of hazardous reactions

Not applicable.

10.1.4 - Conditions to avoid

Avoid temperatures above 800°F.

10.1.5 - Incompatible materials

Not applicable.

10.1.6 - Hazardous decomposition products

When foam burns it produces a large volume of dense smoke that presents a major hazard in that it can cause panic and disorientation and inhibit ability to escape.

10.2 - Magnesium Oxide Sheathing Component

10.2.1 - Reactivity

No information available.

10.2.2 - Chemical Stability

Material is stable under normal conditions.

10.2.3 - Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.2.4 - Conditions to Avoid

No known conditions.

10.2.5 - Incompatible Materials

No known substances.

10.2.6 - Hazardous Decomposition Products

No known conditions.

10.3 - Vapor Permeable Coating Component

10.3.1 - Reactivity

No data available

10.3.2 - Chemical stability

Stable under recommended storage conditions

10.3.3 - Possibility of hazardous reactions

None under normal processing

10.3.4 - Conditions to avoid

None known based on information supplied

Section Continued on page 8

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SECTION 10.0 - STABILITY AND REACTIVITY

Section Continued from page 7

10.3 - Vapor Permeable Coating Component

10.3.5 - Incompatible materials

None known based on information supplied

10.3.6 - Hazardous decomposition products

None known based on information supplied

SECTION 11.0 - TOXICOLOGICAL INFORMATION

11.1 - Urethane Insulation Component

Acute toxicity May cause skin irritation or respiratory irritation.
 Chronic toxicity No data available.
 Likely routes of exposure Skin or inhalation of dust.
 Symptoms related to physical, chemical and toxicological characteristics May cause skin irritation or respiratory irritation.
 Delayed and immediate effects and chronic effects from short and long-term exposure Watering eyes, irritation; coughing or sneezing from dust.
 Numerical toxicity measures No data available.

11.2 - Magnesium Oxide Sheathing Component

Acute Toxicity Non-Hazardous.
 Symptoms Related to the Physical, Chemical and Toxicological Characteristics Under normal conditions of intended use, this material does not pose a risk to health.
Information on Likely Routes of Exposure
 Ingestion Not likely due to form of product.
 Inhalation Mechanical sawing may generate dust. Dust has an irritant action on mucous membranes of the upper respiratory tract and eyes.
 Skin Contact Under normal conditions of intended use, this material does not pose a skin hazard.
 Eye Contact Mechanical sawing may generate dust. Direct contact with eyes may cause temporary irritation.
 Under normal conditions of intended use, this material does not pose a risk to health.

11.3 - Vapor Permeable Coating Component

11.3.1 - Information on likely routes of exposure

Product information No data available
 Inhalation Avoid breathing vapors or mists.
 Eye contact Avoid contact with eyes.
 Skin contact Avoid contact with skin.
 Ingestion Do not taste or swallow.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg (Rat)		
Titanium dioxide 13463-67-7	> 10000 mg/kg (Rat)		
Polypropylene glycol 25322-69-4	> 2 g/kg (Rat)		
Quartz 14808-60-7	= 500 mg/kg (Rat)		
Diphenyl Ketone 119-61-9	> 10 g/kg (Ra)	= 3535 mg/kg (Rabbit)	

11.3.2 - Information on toxicological effects

Symptoms May cause irritation

11.3.3 - Delayed and immediate effects as well as chronic effects from short-term and long-term exposure

Sensitization No information available
 Germ cell mutagenicity No information available
 Carcinogenicity The table below indicates whether each agency has listed any ingredients as a carcinogen. *Titanium Dioxide has been associated with lung cancer where the exposure is to the respirable, dry powder form of the material. However, due to the physical nature of this product (liquid), exposures are not expected unless after product dries it is abraded and air borne dust is created.

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SECTION 11.0 - TOXICOLOGICAL INFORMATION

Section Continued from page 10

11.3.3 - Delayed and immediate effects as well as chronic effects from short-term and long-term exposure

Chemical Name	ACGIH	IARC	NTP	OSHA
Titanium Dioxide (13463-67-7)	--	Group 2B	--	X
Quartz 14808-60-7	A2	Group 1	Known	X
Diphenyl Ketone 119-61-9	--	Group 2B	--	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A2 - Suspected Human Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 1 - Carcinogenic to Humans

NTP (National Toxicology Program)

Known - Known Carcinogen

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity	No information available
STOT - single exposure	No information available
STOT - repeated exposure	No information available
Aspiration hazard	No information available

11.3.4 - Numerical measures of toxicity - Product Information

Unknown acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	9122 mg/kg
ATEmix (dermal)	5977 mg/kg mg/l

SECTION 12.0 - ECOLOGICAL INFORMATION

12.1 - Urethane Insulation Component

12.1.1 - Toxicity

Not a marine pollutant.

12.1.2 - Persistence and degradability

No known significant effects.

12.1.3 - Bioaccumulative potential

Does not bioaccumulate.

12.1.4 - Mobility in soil

None.

12.1.5 - Other adverse effects

No additional information.

12.2 - Magnesium Oxide Sheathing Component

12.2.1 - Toxicity

Components are not classified as environmentally hazardous.

12.2.2 - Persistence and Degradability

Not Applicable.

12.2.3 - Bioaccumulative Potential

Not Applicable.

12.2.4 - Mobility in Soil

Not Applicable.

12.2.5 - Other Adverse Effects

No known effects.

12.3 - Vapor Permeable Coating Component

12.3.1 - Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Diphenyl Ketone 119-61-9	--	13.2 - 15.3: 96 h Pimephales promelas mg/L LC50 flow-through	--	--

12.3.2 - Persistence and Degradability

No information available.

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SECTION 12.0 - ECOLOGICAL INFORMATION

12.3 - Vapor Permeable Coating Component

Section Continued from page 9

12.3.3 - Bioaccumulation

No information available.

Chemical Name	Partition coefficient
Diphenyl Ketone 119-61-9	3.58

12.3.4 - Other adverse effects

No information available.

SECTION 13.0 - DISPOSAL CONSIDERATIONS

13.1 - Urethane Insulation Component

13.1.1 - Waste treatment methods

Waste disposal recommendations Landfill as ordinary industrial waste in compliance with pertinent regulations.

13.2 - Magnesium Oxide Sheathing Component

13.2.1 - Waste Treatment Methods

Disposal Instructions Dispose of in accordance with applicable federal, state, and local regulations. Recycle responsibly.

Local Disposal Regulations Dispose of in accordance with local regulations. Recycle responsibly.

Hazardous Waste Code Not applicable.

Waste from Residues/Unused Products Dispose of in accordance with local regulations. Recycle responsibly.

Contaminated Packing Dispose of in accordance with local regulations. Recycle responsibly.

13.3 - Vapor Permeable Coating Component

13.3.1 - Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national, and local laws and regulations

Contaminated packaging Do not reuse container

SECTION 14.0 - TRANSPORT INFORMATION

14.1 - Urethane Insulation Component

In accordance with DOT.

Not regulated for transport.

14.2 - Magnesium Oxide Sheathing Component

DOT Not regulated as dangerous goods. Non-hazardous.

IATA Not regulated as dangerous goods. Non-hazardous.

IMDG Not regulated as dangerous goods. Non-hazardous.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code Not applicable. Product is solid, therefore bulk transport is governed by IMSBC Code.

14.3 - Vapor Permeable Coating Component

DOT

Not regulated for all modes of transportation

SECTION 15.0 - REGULATORY INFORMATION

15.1 - Urethane Insulation Component

15.1.1 - US Federal regulations

No Additional Information available.

15.1.2 - International regulations

CANADA

No additional information available.

EU-Regulations

No additional information available.

15.1.3 - US State regulations

No Additional Information available.

15.2 - Magnesium Oxide Sheathing Component

DOT Not regulated as dangerous goods. Non-hazardous.

IATA Not regulated as dangerous goods. Non-hazardous.

IMDG Not regulated as dangerous goods. Non-hazardous.

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code Not applicable. Product is solid, therefore bulk transport is governed by IMSBC Code.

15.3 - Vapor Permeable Coating Component

International Inventories

TSCA Complies

United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL Complies

Canadian Domestic Substances List/Non-Domestic Substances List

ArmorWall VP Structural Insulated Sheathing™

Safety Data Sheet (SDS)

SECTION 15.0 - REGULATORY INFORMATION

15.3 - Vapor Permeable Coating Component

Section Continued from page 10

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health hazard	Yes
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65

This product contain the following Proposition 65 chemicals.

Chemical Name	California Proposition 65
Titanium Dioxide (13463-67-7)	Carcinogen
Quartz (14808-60-7)	Carcinogen
Silicon Dioxide (7631-86-9)	Carcinogen
Diphenyl Ketone (119-64-9)	Carcinogen

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Limestone (1317-65-3)	X	X	X
Titanium Dioxide (13463-67-7)	X	X	X
Quartz (14808-60-7)	X	X	X

SECTION 16.0 - OTHER INFORMATION

Revision date 261118
Other information None.

This SDS contains all the information required by ANSI Z400.1 standard (United States), by regulation 29 CFR Part 1910-1200 of the Hazard Communication Standard of OSHA and is in accordance with DORS/88-66 of WHMIS (Canada).

The best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. 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. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.



For specific inquiries regarding any MaxLife Industries products please contact Customer Services.

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