

ArmorSeal Plus Coating

Safety Data Sheet (SDS)

SECTION 1.0 - IDENTIFICATION

1.1 - Product Identifier

Product Identifier MaxLife ArmorSeal Plus Coating
Product Code SLVP051

1.2 - Recommended use of the chemical and restrictions on use

Recommended use Restricted to professional users
Uses advised against No information available

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 - HAZARD(S) IDENTIFICATION

2.1 - Mixture Classification

Classification (GHS-US)

Carc. Category 2 Carcinogenicity

2.2 - Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



GHS08

Signal word (GHS-US)

Hazard Statements (GHS-US)

Warning
Suspected of causing cancer.

Precautionary statements (GHS-US)

Prevention

P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P281 - Use personal protective equipment as required.

Precautionary statements (GHS-US)

Response

P308+P313 - If exposed or concerned: Get medical advice/attention.

Precautionary statements (GHS-US)

Storage

P405 - Store locked up

Precautionary statements (GHS-US)

Disposal

P501 - Dispose of contents/container to an approved waste disposal plant

SECTION 3.0 - COMPOSITION/INFORMATION ON INGREDIENTS

3.1 - Substance

Not applicable.

3.2 - Mixture

Chemical Name	CAS No	Weight - %
Limestone	1317-65-3	10 - 30
Titanium Dioxide	13463-67-7	5 - 10
Talc	14807-96-6	1 - 5
Wollastonite	13983-17-0	1 - 5
Diuron	330-54-1	0.1 - 1
Quartz (Crystalline Silica)	14808-60-7	0.1 - 1

Composition Comments

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. The manufacturer has claimed the exact percentage as trade secret under the OSHA Hazard Communication Standard.

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SECTION 4.0 - FIRST-AID MEASURES

4.1 - 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 if irritation develops and persists.
Skin contact	Wash skin with soap and water. Consult a physician if irritation develops and persists.
Inhalation	Move to fresh air. Consult a physician if irritation develops and persists.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Consult a physician if irritation develops and persists.

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

Direct contact with eyes. May cause temporary irritation.

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

Note to physicians. Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

General information. If exposed or concerned. Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves

SECTION 5.0 - FIRE-FIGHTING MEASURES

5.1 - Extinguishing media

Suitable extinguishing media	Water Fog. Foam. Dry chemical powder. Carbon Dioxide (CO ₂)
Unsuitable extinguishing media	Do not use water jet as an extinguisher, this causes the fire to spread.

5.2 - Special hazards arising from the chemical

During fire. Gases hazardous to health may be formed.

5.3 - 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. Move containers from fire area if safe and without risk to do so.

Specific methods. Use standard firefighting procedures and consider the hazards of other materials involved.

General fire hazards. No unusual fire or explosion hazards noted.

SECTION 6.0 - ACCIDENTAL RELEASE MEASURES

6.1.1 - Personal precautions, protective equipment and emergency procedures

Personal precautions. Keep unnecessary personnel away. Keep people away from the unwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of this SDS.

6.2 - Environmental precautions

Environmental precautions. Do not allow into any sewer, on the ground or into any body of water. See Section 12 for additional ecological information.

6.3 - Methods and material for containment and cleaning up

Methods and material for containment/clean up. This product is miscible in water.
 For large spills: Stop the flow of material if without risk of doing so. Dike the spilled material where possible. Absorb in vermiculite, dry sand, or earth and place into containers. Following product recovery, flush area with water.
 For small spills: Wipe up with absorbent material (i.e. cloth, fleece). Clean surface thoroughly to remove residual contamination.
 Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see Section 13 of this SDS.

SECTION 7.0 - HANDLING AND STORAGE

7.1 - Precautions for safe handling

Advice on safe handling. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid prolonged exposure. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

7.2 - Conditions for safe storage, including any incompatibilities

Storage conditions. Store locked up. Keep out of the reach of children. Keep container tightly closed in a dry and well-ventilated place.
 Incompatible materials. Store away from incompatible materials (see Section 10 of this SDS)

SECTION 8.0 - EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 - Control Parameters

Exposure Guidelines

U.S. OSHA Specifically Regulated Substances (29 CFR 1910.1001.1053)

Components	Type	Value	Form
Quartz (Crystalline Silica) CAS 14808-60-7	TWA	0.05 mg/m ³	---

U.S. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
Limestone CAS 1317-65-3	PEL	5 mg/m ³ 15 mg/m ³	Respirable fraction Total dust
Titanium dioxide CAS 13463-67-7	PEL	15 mg/m ³	Total dust

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SECTION 8.0 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Section continued from page 2

8.1 - Control Parameters

Exposure Guidelines

U.S. OSHA Table Z-3 (29 CFR 1910.1000)			
Components	Type	Value	Form
Quartz (Crystalline Silica) CAS 14808-60-7	TWA	0.1 mg/m ³ 2.4 mppcf	Respirable Respirable
Talc CAS 14807-96-6	TWA	0.1 mg/m ³ 20 mppcf 2.4 mppcf	Respirable
Titanium dioxide CAS 13463-67-7	TWA	5 mg/m ³ 15 mg/m ³ 50 mppcf 15 mppcf	Respirable fraction Total dust Total dust Respirable fraction

U.S. ACGIH Threshold Limit Values			
Components	Type	Value	Form
Diuron CAS 330-54-1	TWA	10 mg/m ³	---
Quartz (Crystalline Silica) CAS 14808-60-7	TWA	0.025 mg/m ³	Respirable fraction
Talc CAS 14807-96-6	TWA	2 mg/m ³	Respirable fraction
Titanium dioxide CAS 13463-67-7	TWA	10 mg/m ³	---
Wollastonite CAS 13983-17-0	TWA	1 mg/m ³	Inhalable fraction

U.S. NIOSH: Pocket Guide to Chemical Hazards			
Components	Type	Value	Form
Diuron CAS 330-54-1	TWA	10 mg/m ³	---
Limestone CAS 1317-65-3	TWA	5 mg/m ³ 10 mg/m ³	Respirable Total
Quartz (Crystalline Silica) CAS 14808-60-7	TWA	0.05 mg/m ³	Respirable dust
Talc CAS 14807-96-6	TWA	2 mg/m ³	Respirable

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

8.2 - Appropriate Engineering Controls

Engineering Controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

8.3 - Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin and body protection

Chemical resistant gloves. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection

If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

Thermal Hazards

Wear appropriate thermal protective clothing when necessary.

General Hygiene Considerations

Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9.0 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 - Information and basic physical and chemical properties

Physical state	Liquid
Appearance	Liquid
Color	Light purple
Odor	Slight
Odor Threshold	No information available

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SECTION 9.0 - PHYSICAL AND CHEMICAL PROPERTIES

Section continued from page 3

9.1 - Information and basic physical and chemical properties

pH	7 - 10
Melting Point / Freezing Point	Not available
Initial Boiling Point and Boiling Range	> 99°F (>37.2° C)
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Upper Flammability (%) or Explosive Limits	Not available
Lower Flammability (%) or Explosive Limits	Not available
Vapor Pressure	Not available
Vapor Density	Not available
Relative Density	1.43
Solubility (Water)	Soluble
Partition Coefficient (n-octanol / water)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	11.92 lbs/gal
Density	Not explosive
Explosive Properties	Not oxidizing
Oxidizing Properties	47 g/l (including water) (Material)
VOC	96 g/l (excluding water) (Coating)

SECTION 10.0 - STABILITY AND REACTIVITY

10.1 - Reactivity

This product is stable and non-reactive under normal conditions of use, storage, and transport.

10.2 - Chemical stability

Stable under recommended storage and use conditions.

10.3 - Possibility of hazardous reactions

None under normal processing.

10.4 - Conditions to avoid

Contact with incompatible materials.

10.5 - Incompatible materials

Strong oxidizing agents.

10.6 - Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11.0 - TOXICOLOGICAL INFORMATION

11.1 - Information on likely routes of exposure

Inhalation	Avoid prolonged inhalation of vapors or mists as it may be harmful.
Eye contact	Direct contact with eyes may cause temporary irritation.
Skin contact	Prolonged contact with skin may cause temporary irritation.
Ingestion	Do not taste or swallow. Expected to be a low ingestion hazard.

11.2 - Information on toxicological effects

Symptoms Related to Physical, Chemical, and Toxicological characteristics	Direct contact with eyes may cause temporary irritation.
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Acute Toxicity			
Components	Test	Species	Test Results
Quartz (Crystalline Silica) CAS 14808-60-7	Chronic Inhalation LOEC	Human	0.0563 mg/m ³
Talc CAS 14807-96-6	Acute Oral LD50	Rat	> 5000 mg/kg
Titanium dioxide CAS 13463-67-7	Acute Inhalation LC50 Oral LD50	Rat Rat	3.43 mg/l, 4 Hours > 5000 mg/kg

Skin Corrosion / Irritation	Prolonged skin contact may cause temporary irritation.
Serious Eye Damage / Eye Irritation	Direct contact with eyes may cause temporary irritation.
Respiratory Sensitization	Not a respiratory sensitizer.
Skin Sensitization	This product is not expected to cause skin sensitization.
Germ Cell Mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Suspected of causing cancer.

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SECTION 11.0 - TOXICOLOGICAL INFORMATION

Section continued from page 4

11.2 - Information on toxicological effects

IARC Monographs. Overall Evaluation of Carcinogenicity	
Components	Statement
Quartz (Crystalline Silica) CAS 14808-60-7	1 Carcinogenic to humans.
Talc CAS 14807-96-6	2B Possibly carcinogenic to humans. 3 Not classifiable as to carcinogenicity to humans.
Titanium dioxide CAS 13463-67-7	2B Possibly carcinogenic to humans.
Wollastonite CAS 13983-17-0	3 not classifiable as to carcinogenicity to humans.

NTP Report on Carcinogens	
Components	Statement
Quartz (Crystalline Silica) CAS 14808-60-7	Known to be human carcinogen.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)	
Components	Statement
Quartz (Crystalline Silica) CAS 14808-60-7	Cancer.

Reproductive Toxicity	This product is not expected to cause reproductive or developmental effects.
Specific Target Organ Toxicity	
Single Exposure:	Not classified.
Repeated Exposure:	Not classified.
Aspiration Hazard	Not an aspiration hazard.
Chronic Effects	Prolonged inhalation may be harmful.

SECTION 12.0 - ECOLOGICAL INFORMATION

12.1 - Ecotoxicity

Harmful to aquatic life with long lasting effects.

12.2 - Persistence and Degradability

No information available.

12.3 - Bioaccumulation

No information available.

12.4 - Mobility in Soil

No information available.

12.5 - Other adverse effects

The product contains volatile organic compounds which have a photochemical ozone creation potential.

SECTION 13.0 - DISPOSAL CONSIDERATIONS

13.1 - Disposal Instructions

Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

13.2 - Local disposal regulations

Dispose in accordance with all applicable regulations.

13.3 - Hazardous waste code

The waste code should be assigned in discussion between the user, the producer, and the waste disposal company.

13.4 - Waste from residues / unused products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

13.5 - Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty container should be taken to an approved waste handling site for recycling or disposal.

SECTION 14.0 - TRANSPORT INFORMATION

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

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SECTION 15.0 - REGULATORY INFORMATION

US Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are listed on or exempt from the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Diuron CAS 330-54-1	Listed.
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SARA 304 Emergency Release Notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Quartz (Crystalline Silica) CAS 14808-60-7	Cancer. Lung effects. Immune System Effects Kidney Effects.
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Toxic Substances Control Act (TSCA)

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely Hazardous Substance

Not listed.

SARA 311/312 Hazardous Chemical

Yes.	
Classified Hazard Categories	Carcinogenicity

SARA 313 (TRI Reporting)

Not regulated.

Other Federal Regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA)

Contains component(s) regulated under the Safe Drinking Water Act.

U.S. State Regulations

U.S. Massachusetts RTK - Substance List

Diuron	CAS 330-54-1
Limestone	CAS 1317-65-3
Quartz (Crystalline Silica)	CAS 14808-60-7
Talc	CAS 14807-96-6
Titanium dioxide	CAS 13463-67-7

U.S. New Jersey Worker and Community Right-to-Know Act

Diuron	CAS 330-54-1
Limestone	CAS 1317-65-3
Quartz (Crystalline Silica)	CAS 14808-60-7
Talc	CAS 14807-96-6
Titanium dioxide	CAS 13463-67-7

U.S. Pennsylvania Worker and Community Right-to-Know Law

Diuron	CAS 330-54-1
Limestone	CAS 1317-65-3
Quartz (Crystalline Silica)	CAS 14808-60-7
Talc	CAS 14807-96-6
Titanium dioxide	CAS 13463-67-7

U.S. Rhode Island RTK

Diuron	CAS 330-54-1
Limestone	CAS 1317-65-3
Quartz (Crystalline Silica)	CAS 14808-60-7
Talc	CAS 14807-96-6
Titanium dioxide	CAS 13463-67-7

SECTION 16.0 - OTHER INFORMATION

HMIS

Health Hazards: 0 Flammability: 0 Physical Hazards: 0 Personal Protection: G

Issue date	01-April-2021
Revision date	Not applicable.
Revision Note	Not applicable.

Disclaimer

The information contained on the Safety Data Sheet has been compiled from data considered accurate. This data is believed to be reliable, but it must be pointed out that values for certain properties are known to vary from source to source. MaxLife Industries, expressly disclaims any warranty express or implied as well as any liability for any injury or loss arising from the use of this information or the materials described. This data is not to be construed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product for his unique application. This data relates only to the specific material designated and is not to be used in combination with any other material. Many federal and state regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize himself with all applicable regulations.



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

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