

SECTION 1: Identification

1.1. Identification

Product form	: Article
Product name	: MoistureShield Meridian
Product code	: Contact MoistureShield Customer Service
Other means of identification	: MoistureShield Vision MoistureShield Vantage MoistureShield Meridian MoistureShield Elevate MoistureShield Vue MoistureShield ModernView MoistureShield Lifecycle

1.2. Recommended use and restrictions on use

Use of the substance/mixture	: Wood-Polymer Composite Lumber Products; As a non-structural construction material primarily for exterior surface applications, including decks, docks, walkways, and various exterior flooring uses.
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1.3. Supplier

Manufacturer
MoistureShield
801 Jefferson Street
Springdale AR 72764
Phone: 866-729-2378

1.4. Emergency telephone number

Emergency number	: 866-729-2378
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SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

This product is a manufactured article. GHS classification and labeling are not applicable to product in purchased form. The hazards indicated in this document apply only when this product is cut, drilled, or modified in such a way that dust particles are released.


This product is exempt from classification and labelling as per the Hazardous Products Act, Paragraph 12(i), and as per C.F.R. 1910.1200(b)(6)(v).

GHS US classification

Carc. 1A
Comb. Dust

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)	: 
Signal word (GHS US)	: Danger
Hazard statements (GHS US)	: May cause cancer May form combustible dust concentrations in air
Precautionary statements (GHS US)	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye protection. If exposed or concerned: Get medical advice/attention. Store locked up. Dispose of contents/container in accordance with local, regional, national and international regulations.

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%
Wood dust	(CAS-No.) RR-00514-1	50 - 70
Carbon black	(CAS-No.) 1333-86-4	< 1

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures after inhalation : If experiencing respiratory symptoms: Call a poison center or a doctor.
- First-aid measures after skin contact : If skin irritation occurs: Wash skin with plenty of water. Obtain medical attention if irritation persists.
- First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Adverse effects not expected from this product. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

- Symptoms/effects after inhalation : Dust may cause irritation to the respiratory tract.
- Symptoms/effects after skin contact : Dust may cause skin irritation. Repeated exposure may cause skin dryness or cracking.
- Symptoms/effects after eye contact : Dust may cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Symptoms/effects after ingestion : None under normal use. May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

4.3. Immediate medical attention and special treatment, if necessary

Symptoms may be delayed. In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Water spray. Dry chemical. Carbon dioxide (CO₂). Foam.
- Unsuitable extinguishing media : Do not use a water jet since it may cause the fire to spread.

5.2. Specific hazards arising from the chemical

- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon. May release hazardous fumes. Acrid fumes. Methane. Hydrocarbons.
- Explosion hazard : May form combustible dust concentrations in air.

5.3. Special protective equipment and precautions for fire-fighters

- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.1.1. For non-emergency personnel

No additional information available

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Pick up large pieces, then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE). Avoid generating dust.
- Methods for cleaning up : Vacuum or sweep material and place in a disposal container.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection"

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with eyes. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Do not overheat the product. Avoid generating dust. Do not breathe dust. Good housekeeping is important to prevent accumulation of dust.
- Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep out of the reach of children. Store in a dry, cool and well-ventilated place. Store away from sources of ignition. Store locked up. Keep away from combustible materials. Keep away from heat, flames and sparks.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

MoistureShield Meridian	
No additional information available	
Carbon black (1333-86-4)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Carbon black
ACGIH OEL TWA	3 mg/m ³ (inhalable particulate matter)
Remark (ACGIH)	TLV® Basis: Bronchitis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Regulatory reference	ACGIH 2021
USA - OSHA - Occupational Exposure Limits	
Local name	Carbon black
OSHA PEL (TWA) [1]	3.5 mg/m ³
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - IDLH - Occupational Exposure Limits	
IDLH	1750 mg/m ³
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	3.5 mg/m ³ 0.1 mg/m ³ (Carbon black in presence of Polycyclic aromatic hydrocarbons)
Wood dust (RR-00514-1)	
USA - NIOSH - Occupational Exposure Limits	
NIOSH REL (TWA)	1 mg/m ³

8.2. Appropriate engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Hand protection:

Wear suitable gloves

Eye protection:

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Safety glasses or goggles are recommended when using product.

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

None necessary under normal conditions of use. In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke when using this product.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Solid linear profiles
Color	: Various
Odor	: None
Odor threshold	: No data available
pH	: No data available
Melting point	: 115 – 135 °C (239 to 275 °F)
Freezing point	: No data available
Boiling point	: Not Applicable
Flash point	: > 300 °C (572 °F)
Relative evaporation rate (butyl acetate=1)	: No data available
Flammability (solid, gas)	: Not flammable under GHS. This product can generate combustible dust.
Vapor pressure	: No data available
Relative vapor density at 20 °C	: No data available
Relative density	: 0.97 g/cm
Solubility	: Negligible
Partition coefficient n-octanol/water	: No data available
Auto-ignition temperature	: 343 °C (650 °F) (Estimate)
Decomposition temperature	: 290 °C (554 °F) (Thermal degradation/ICAC 1400)
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: May form combustible dust concentrations in air
Oxidizing properties	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable under normal conditions. May form combustible dust concentrations in air.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Heat. Open flame. Sources of ignition. Avoid dust formation. Incompatible materials.

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon. May release hazardous fumes. Acetaldehyde. Formaldehyde. Formic acid. Acetic acid. Hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Carbon black (1333-86-4)	
LD50 oral rat	> 15400 mg/kg
LC50 inhalation rat	> 4.6 mg/m ³ (Exposure time: 4 h)

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : May cause cancer.

Carbon black (1333-86-4)	
IARC group	2B - Possibly carcinogenic to humans
In OSHA Hazard Communication Carcinogen list	Yes

Wood dust (RR-00514-1)	
IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	Known Human Carcinogens
In OSHA Hazard Communication Carcinogen list	Yes

Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified
Viscosity, kinematic : No data available

Symptoms/effects after inhalation : Dust may cause irritation to the respiratory tract.
Symptoms/effects after skin contact : Dust may cause skin irritation. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact : Dust may cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.

Symptoms/effects after ingestion : None under normal use. May be harmful if swallowed. May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Other information : Likely routes of exposure: ingestion, inhalation, skin and eye.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

12.2. Persistence and degradability

MoistureShield Meridian	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

MoistureShield Meridian	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

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according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

12.5. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Recover and recycle product if possible.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

SECTION 15: Regulatory information


15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

15.2. International regulations

No additional information available

15.3. US State regulations

 **WARNING:** This product can expose you to Carbon black, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Issue date : 04/01/2021
Revision date : 04/01/2021
Other information : Refer to NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids, for safe handling.
Prepared by : Nexreg Compliance Inc.
www.Nexreg.com



SDS US (GHS HazCom 2012)_NEXREG_NEW

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