



# SAFETY DATA SHEET

Issuing Date April 29, 2020

Revision Date New

Revision Number 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** MonoFoil M  
**Other means of identification** MonoFoil M: Antimicrobial

**EPA Registration Number** 90856-2

### Recommended use of the chemical and restrictions on use

**Recommended use** Antimicrobial barrier hard and soft surfaces. Commercial, Residential, Industrial uses

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Apply Guard  
2635 S. F Street  
Elwood, IN 46036

Phone: 1-765-203-2304

### Emergency telephone number

**Emergency Phone Numbers** For Medical Emergencies, call: 1-800-222-1222

## 2. HAZARDS IDENTIFICATION

### Classification

This chemical is considered non-hazardous, environmentally friendly by the 2012 OSHA Hazard Communication Standard

### GHS Label elements, including precautionary statements

#### Emergency Overview

<b>Signal word</b>	<b>Caution</b>
<b>Hazard Statements</b> Causes moderate eye irritation	
<b>Appearance</b> Clear	<b>Physical State</b> Thin liquid
	<b>Odor</b> None

### Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling.

### Precautionary Statements - Response

Hold eye open and rinse slowly and gently with water for 15-20 minutes Remove contact lenses. If present after first 5 minutes then continue rinsing  
Call a Poison Control Center or doctor for treatment advice.

### Precautionary Statements - Storage

Store in original, tightly closed container in an area inaccessible to children or persons unfamiliar with its use. Keep tightly closed until ready to uses. Reclose tightly after each use. When stored in original, unopened containers at or below 25°C (77°F). Non-refillable container. Do not reuse or refill this container. Wrap container and put in trash or offer for recycling if available.

### Precautionary Statements - Disposal

Dispose of contents in accordance with all applicable federal, state, and local regulations. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

### Hazards not otherwise classified (HNOC)

None

**Unknown Toxicity**

Not applicable.

**Other information**

Not applicable.

**Interactions with Other Chemicals**

Not applicable.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	CAS-No	Weight %	Trade Secret
3 (trihydroxysilyl) propoyldimethyloctadecyl ammonium chloride	27668-52-6	1.3	*

\* The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES****First aid measures****General Advice**

Call a poison control center or doctor immediately for treatment advice. Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Most important symptoms and effects, both acute and delayed****Most Important Symptoms and Effects**

Prolonged direct exposure can be irritating to skin.

**Indication of any immediate medical attention and special treatment needed****Notes to Physician**

Treat symptomatically.

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## 5. FIRE-FIGHTING MEASURES

### Suitable Extinguishing Media

Not applicable.

### Unsuitable Extinguishing Media

Not applicable.

### Specific Hazards Arising from the Chemical

This product can cause moderate eye irritation

### Explosion Data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

### Protective equipment and precautions for firefighters

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

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## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal Precautions** Avoid contact with eyes,

**Other Information** Refer to protective measures listed in Sections 7 and 8.

### Environmental precautions

**Environmental Precautions** See Section 12 for ecological Information.

### 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** Absorb and containerize. Use ionic laundry soap to deactivate. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes. Do not eat, or drink, when using this product.

### Conditions for safe storage, including any incompatibilities

**Storage** Store in original, tightly closed container in an area inaccessible to children or persons unfamiliar with its use. Keep tightly closed until ready to uses. Reclose tightly after each use. When stored in original, unopened containers at or below 25°C (77°F).

**Incompatible Products** Not applicable

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
3 (trihydroxysilyl) propoyldimethyloctadecyl ammonium chloride	None	None	None

*ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.*

### Appropriate engineering controls

**Engineering Measures** Eyewash stations

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** If splashes are likely to occur: Wear safety glasses with side shields (or goggles) or face shield.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and Chemical Properties

<b>Physical State</b> <b>Appearance</b> <b>Color</b>	Thin liquid Clear Clear	<b>Odor</b> <b>Odor Threshold</b>	None No information available
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<u>Property</u>	<u>Values</u>	<u>Remarks/ Method</u>
pH	~7	None known
Melting/freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash Point	Not flammable	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limits in Air		
Upper flammability limit	No data available	None known
Lower flammability limit	No data available	None known
Vapor pressure	No data available	None known
Vapor density	No data available	None known
Specific Gravity	~1.1	None known
Water Solubility	Soluble	None known
Solubility in other solvents	No data available	None known
Partition coeff	No data available	None known
Auto ignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive Properties	Not explosive	
Oxidizing Properties	No data available	

### Other Information

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	No data available

## 10. STABILITY AND REACTIVITY

### Reactivity

Not applicable.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to avoid

None known based on information supplied.

### Incompatible materials

Not applicable.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

**Eye Contact** May cause moderate eye irritation

#### Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
3 (trihydroxysilyl) propoyldimethyloctadecyl amonium chloride	5000 mg/kg (Rat)	>10000 mg/kg (Rabbit)	-

### Information on toxicological effects

**Symptoms** May cause moderate eye irritation.

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

**Sensitization** None.

**Mutagenic Effects** None

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical Name	ACGIH	IARC	NTP	OSHA
3 (trihydroxysilyl) propoyldimethyloctadecyl ammonium chloride	-	Group 3	-	-

*IARC (International Agency for Research on Cancer)  
Group 3 - Not Classifiable as to Carcinogenicity in Humans*

**Reproductive Toxicity** No toxicity

**STOT - single exposure** No toxicity

**STOT - repeated exposure** No toxicity.

**Chronic Toxicity** No toxicity.

**Target Organ Effects** Mild Irritation to Eyes

**Aspiration Hazard** No toxicity

**Numerical measures of toxicity - Product Information**

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

**ATEmix (oral)**

60 g/kg

**ATEmix (inhalation-dust/mist)**

60 mg/L

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Use ionic detergent to deactivate prior to disposal down drains

**Persistence and Degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

Dispose of in accordance with all applicable federal, state, and local regulations. Do not contaminate food or feed by disposal of this product.

**Contaminated Packaging**

Do not reuse empty containers. Dispose of in accordance with all applicable federal, state, and local regulations.

## 14. TRANSPORT INFORMATION

**DOT**

NOT REGULATED.

**IDG**

<b>UN-No</b>	Not Required
<b>Proper Shipping Name</b>	Not Required
<b>Hazard Class</b>	Not Required
<b>Packing Group</b>	Not Required
<b>Description</b>	Not Required

**ICAO**

<b>UN-No</b>	Not Required
<b>Proper Shipping Name</b>	Not Required.
<b>Hazard Class</b>	Not Required
<b>Packing Group</b>	Not Required
<b>Description</b>	Not Required



**IATA**

<b>UN-No</b>	Not Required
<b>Proper Shipping Name</b>	Not Required.
<b>Hazard Class</b>	Not Required
<b>Packing Group</b>	Not Required
<b>Description</b>	Not Required

**IMDG/IMO**

<b>UN-No</b>	Not Required
<b>Proper Shipping Name</b>	Not Required
<b>Hazard Class</b>	Not Required
<b>Packing Group</b>	Not Required
<b>EmS No.</b>	Not Required
<b>Marine Pollutant</b>	Not Required
<b>Description</b>	Not Required

**15. REGULATORY INFORMATION**

**Chemical Inventories**

**TSCA** All components of this product are either on the TSCA 8(b) Inventory or otherwise exempt from listing.

**DSL/NDSL** All components are on the DSL or NDSL.

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**U.S. 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**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

**EPA Statement**

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**CAUTION.** Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice

**US State Regulations****California Proposition 65**

This product does not contain any Proposition 65 chemicals.

**International Regulations**

Not applicable

## 16. USES

Approved commercial applications in homes, offices, automobiles and the following institutions: schools, hospitals, dental, rehabilitation, veterinary, daycare centers, churches, correction facilities.

**Plastics, fiberglass, metals, glass, wood, ceramics, stone, natural material, composites:** Including air filters for furnaces, air conditioners, air purification devices, automobiles, and reticulating air handling systems; aquarium filter; automotive and vehicular parts; roofing materials (tiles, shakes, shingles, granules, stone, membranes, felt, underlayment and synthetic overcoats); building materials and components (including siding, wallboard, wood composites, insulation and non-food contact cabinetry); ceiling tiles; concrete products; dry concrete and grout mixes; non-food contact conveyor and humidifier belts, Concrete additive for sewer pipes, manholes and concrete sewer structures; non-food contact countertops; fiberglass duct board, duct work for air handling systems; floor covering; flooring; general purpose (non-food contact) containers; furniture; bathroom and non-food contact kitchen hardware; mats; plumbing supplies and fixtures; sheet and formed glass, mops; vacuum cleaner bags and filters; foam for packaging and cushioning in non-food contact applications.

**Fibers, fabrics (natural and synthetic, woven and non-woven), leather and household materials (natural and synthetic):** Including buffer pads (abrasive and polishing); mattress cover pads, filling and ticking; pillow covers; sheets; blankets; bedspreads; fiberfill for upholstery, apparel, Shoe insoles, recreational gear, quilts and pillows; curtains; draperies; carpet and carpet underlay; rugs; upholstery; towels; shower curtains; toilet tank and seat covers; wall covering fabrics and wallpaper (including vinyl), Disposable wiping pads/cloths that can be used for multiple purposes such as dusting or washing furniture, cars, walls, windows, floors, appliances, dishes, counter tops; the wiping pads/cloths do not impart pesticide properties, for non-food contact surfaces; umbrellas; fire hose fabric; non-woven disposable diapers; wiping cloths; pre-moistened towelettes and tissue wipes (these do not impart pesticidal properties); apparel including outerwear, sportswear, sleepwear, socks, hosiery, undergarments, textile garments composing of (cotton, natural down, nylon, polyester, rayon, wool, orlon, linen, lycra, acrylic, polypropylene, silk) gloves and uniforms; footwear (boots, shoes and components); sports equipment and athletic gear; cloth for sails, ropes, tents and other outdoor equipment; sand bags; tarps; awnings; book covers; pictures.

## 17. OTHER INFORMATION

**NEPA** Health Hazard 0 Flammability 0 Instability 0 Physical and Chemical Hazards -

**HMIS** Health Hazard 1 Flammability 0 Physical Hazard 0 Personal Protection B

Prepared By Apply Guard, LLC  
2635 S. F Street  
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