

SAFETY DATA SHEET

Issuing Date January 3, 2017

Emergency Phone Numbers

Revision Date New

Revision Number 0

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

Product identifier	
Product Name Other means of identification	MonoFoil M MonoFoil M: Odor Eliminator & Protectant
EPA Registration Number	87538-2-92366
Recommended use of the chemica	l and restrictions on use
Recommended use	Antimicrobial barrier hard and soft surfaces. Commercial, residential
Uses advised against	No information available
Details of the supplier of the safety	v data sheet
Supplier Address MonoFoil USA, LLC 5540 West 53 rd Street Parkway Anderson, IN 46013	
Phone: 1-765-203-2304	
Emergency telephone number	

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

Signal word	Caution	
Hazard Statements Causes moderate eye irritation		
Appearance Clear	Physical State Thin liquid	Odor 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

Keep out of reach of Children

Precautionary Statements - Disposal

Dispose of contents in accordance with all applicable federal, state, and local regulations.

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.	

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.

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

StorageStore away from children. Reclose cap tightly after each use. Store this product upright
in a cool, dry area, away from direct sunlight and heat to avoid deterioration. Do not
contaminate food or feed by storage of this product.

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

	-		
Physical State	Thin liquid		
Appearance	Clear	Odor	None
Color	Clear	Odor Threshold	No information available
<u>Property</u>	<u>Values</u>	Remarks/ Method	
Hq	~7	None known	
Melting/freezing point	No data available	None known	
Boiling point / boiling range	No data available	None known	
Flash Point Evaporation	Not flammable	None known	
rate Flammability (solid,	No data available	None known	
gas) Flammability Limits	No data available	None known	
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	N o 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 A	ND REACTIVITY	

Reactivity Not applicable.

<u>Chemical stability</u> 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

Carcinogenicity

May cause moderate eye irritation.

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

None

Sensitization None.

Mutagenic Effects

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

<u>DOT</u>

NOT REGULATED.

TDG	
UN-No	Not Required
Proper Shipping Name	Not Required
Hazard Class	Not Required
Packing Group	Not Required
Description	Not Required
ICAO	
UN-No	Not Required

UN-No	Not Required
Proper Shipping Name	Not Required.
Hazard Class	Not Required
Packing Group	Not Required
Description	Not Required

Not Required
Not Required.
Not Required
Not Required
Not Required
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

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	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.

<u>Plastics, fiberglass, metals, glass, wood, ceramics, stone, natural material, composites:</u> 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 toweletts 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						
<u>NFPA</u>	Health Hazard 0	Flammability 0 Instability 0 Physical and Chemical Hazard	s -			
<u>HMIS</u>	Health Hazard 0	Flammability 0 Physical Hazard 0 Personal Protection D				
Prepared	Ву	MonoFoil USA, LLC 5540 West 53 rd Street Parkway Anderson, IN 46013				
Revision	Date	New				
Revision	Note	Reference				

N<u>ew</u>

MFM

General Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal, and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet