



SAFETY DATA SHEET

Issue Date 10-17-2017

Revision Date

Version 0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1. Product identifier

Product name **my-shield® Hospital Grade Disinfectant-3X Concentrate**

Product number E-1017

UN/ID No NA

Product Code E-1017

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use: **Antimicrobial Surface Treatment**

1.3. Details of the supplier of the safety data sheet Supplier Address:

Smyth Consultants
105 Indian Wells Circle
Lexington NC 27295

1.4. Emergency telephone number

Emergency Telephone

1-336-341-6686 (North America)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

GHS-Classification

Acute Toxicity-Oral Category 3

Skin Corrosion/Irritation Category 4

Serious Eye Damage/Irritation Category 2

2.2. Hazard Pictograms



Signal Word: WARNING!

Hazard Statements

H302 – Harmful if swallowed.

H315 – Causes skin irritation.

H318 – Causes serious eye damage

Precautionary Statements

270 – Do not eat, drink or smoke when using this product.

P301 + P312 – IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
 P330 – Rinse mouth.
 P280 – Wear protective gloves/protective clothing/eye protection/face protection.
 P302 + P352 – IF ON SKIN: Wash with plenty of soap and water.
 P332 + P313 – If skin irritation occurs: Get medical advice/attention.
 P362 – Take off contaminated clothing and wash before reuse.
 P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 – Immediately call a POISON CENTER or doctor/physician.
 P501 – Dispose of contents/container in accordance with all federal, provincial, and/or local regulations including the Canadian Environmental Protection Act.

Prevention: Wear protective eyewear (goggles, face shield or safety glasses)

Response: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
 Remove contaminated clothing and wash clothing before reuse

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS		
3.2. Mixtures	CAS #	
Demineralized Water	7732-18-5	>75.0%
Polyaminobiguanide	27083-27-8	1.5%
1-Octadecanamimium N,N dimethyl 3- trimethoxysilyl propyl chloride	27668-52-6	>4.5%
Alkyl(C14-50%, C12-40%, C16-10%) Dimethyl Benzyl ammonium chloride	68424-85-1	>1.3%
Octadecyldimethyl ammonium chloride	68424-95-3	>1.0%
Dioctyldimethyl ammonium chloride	68424-95-3	>1.0%
Didecyldimethyl ammonium chloride	68424-95-3	>0.6%
Isodecyl alcohol propoxylated,ethoxylated	6843-30-5	>6.0%
Ethanol	64-17-5	>0.4%
Citric Acid	77-92-9	0.0001%
EDTA Sodium salt	13235-36-4	0.00005%

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

Remove victim immediately from source of exposure. Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice

Ingestion

Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.

Skin contact.

Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice

Eye contact

Immediately flush with plenty of water for up to 15 minutes. 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. • Call poison control center or doctor for treatment advice

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

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

SECTION 5: FIREFIGHTING MEASURES**5.1. Extinguishing media**

Extinguishing media

Extinguish with foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

Specific hazards

None.

5.3. Advice for firefighters

Protective equipment for fire-fighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: HANDLING AND STORAGE**6.1. Personal precautions, protective equipment and emergency procedures**

Follow precautions for safe handling described in this safety data sheet.

6.2. Environmental precautions

This Disinfectant is slightly toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA

6.3. Methods and material for containment and cleaning up

Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

6.4. Reference to other sections**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Avoid spilling,

Keep from Freezing above 0C /32F

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed original container in a well-ventilated place. Keep from freezing and direct sunlight.

Storage Class

Miscellaneous hazardous material storage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters Ingredient Comments

No exposure limits noted for ingredient(s)

8.2. Exposure controls

Protective equipment

Engineering measures

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors.

Respiratory equipment

None.

Hand protection

Gloves

Eye protection

Eye glasses with safety shields

Other Protection

Wear appropriate long sleeve clothing.

Hygiene measures

No specific hygiene procedures noted, but good personal hygiene practices are always advisable, especially when working with chemicals.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear
Odor	Slight
Odor Threshold	Not determined
pH	4.0-7.0
Melting point/freezing point	0°C/0°C
Boiling point/boiling range	100 °C
Flash point	100 °C
Evaporation rate	Similar to water
Flammability (solid, gas)	N/A
Flammability Limits in Air	
Upper flammability limits	N/A
Lower flammability limit	N/A
Vapor pressure	23 mmHg
Vapor density	23gm/m ³
Specific Gravity	1.00-1.20
Water solubility	Soluble in water
Solubility in other solvents	Not determined
Partition coefficient	Not determined
Autoignition temperature	Not flammable
Decomposition temperature	Not determined

Other Information

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Not available.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time. Avoid freezing since water based. (will thaw)

10.5. Incompatible materials

Not available

10.6. Hazardous decomposition product

None.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Oral LD50

To be determined

Acute Dermal LD50

To be determined

Skin contact

To be determined

Acute Eye Irritation

To be determined

Acute Inhalation Toxicity

To be determined

Skin Sensitization contact

To be determined

Germ Cell Mutagenicity

Data is not available at this time

Carcinogenicity

Data is not available at this time. Not expected to be carcinogenic.

Reproductive Toxicity

Data is not available at this time. Not expected to have reproductive toxicity.

STOT-single exposure

Unclassified

STOT-repeated exposure

Unclassified

Aspiration Hazard

Data is not available at this time

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

12.1. Toxicity

Acute Toxicity Daphnia magna OECD 202

Immobility

Data is not available at this time

Acute Toxicity Danio Rerio OECD 203

Data is not available at this time

Fresh water Algae Growth Desmodesmus subspicatus at 72 hours OECD 201

Data is not available at this time

12.2. Persistence and degradability

Degradability

Data is not available at this time

12.3. Bioaccumulative potential

Bioaccumulative potential

Data is not available at this time

12.4. Mobility in soil

Mobility: Data is not available at this time

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances

12.6. Other adverse effects

Not applicable.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Factory Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. Do not puncture or incinerate even when empty This Disinfectant is slightly toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA..

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority require

SECTION 14: TRANSPORTATION INFORMATION

DOT

Proper shipping name **NOT REGULATED**

UN/ID No

Hazard Class

Packing Group N/A

Special Provisions N/A

TDG

UN/ID No

Proper shipping name

Hazard Class

Packing Group N/A

Special Provisions N/A

IATA

UN/ID No
 Proper shipping name
 Hazard Class
 Subsidiary hazard class N/A
 Packing Group N/A
 ERG Code N/A
IMDG
 UN/ID No
 Proper shipping name
 Hazard Class
 Subsidiary hazard class N/A
 Packing Group N/A

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or Mixture

International Inventories

TSCA Listed
 DSL Listed
 NDSL Not Listed
 EINECS Listed
 ELINCS Not Listed
 ENCS
 IECSC
 KECL
 PICCS
 AICS

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

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 a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 37.

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

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Not Listed			

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Not listed	Not listed	Not listed	Not listed

U.S. EPA Label Information

SECTION 16: OTHER INFORMATION

GHS Codes

Hazard Statements In Full

USA National Fire Prevention and OSHA

<u>NFPA</u>	Health hazards	Flammability	Instability	Special Hazards
	2	0	0	
<u>HMIS</u>	Health hazards	Flammability	Physical hazards	Personal protection
	2	0	0	

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Revision Note

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