



SAFETY DATA SHEET (SDS)

SHARKSKIN MICROBE DEFENSE WITH PARMASAFE STEP 2- ParmaSafe SHIELD™

SECTION 1: IDENTIFICATION

Product Name: ParmaSafe SHIELD™
Product Use: Antimicrobial Surface Protectant

Product Code(s): SSMD-PS-01

Supplier:
Sym-Tech Inc.
P.O. Box 430, Stn A
Scarborough ON
M1K 5C3
1-800-363-5796
Emergency Tel. 1-613-996-6666 CANUTEC for 24HR emergency information

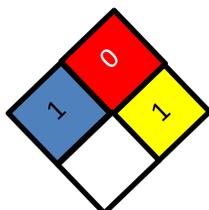
SECTION 2: HAZARD(S) IDENTIFICATION

Classification of the Substance or Mixture: Not classified for physical or health hazards under GHS.

Hazard Statements:

Precautionary Statements: If medical advice is needed, have product container or label at hand. Read label before use.

Other Non-GHS Classification:



NFPA SCALE (0-4)

WHMIS
NFPA/HMIS

Health	1
Flammability	0
Physical Hazard	1
Personal Protection	B

HMIS RATINGS (0-4)

SECTION 3: COMPOSITION / INFORMATION ON HAZARDOUS INGREDIENTS

Ingredients	CAS Number	Wt%
3-(Trihydroxysilyl) propyldimenhyloctadecyl ammonium chloride	27668-52-6	<1%

SECTION 4: FIRST-AID MEASURES

Eye Contact:	Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lense(s) if able to do so during rinsing. Seek medical attention if irritation persists or if concerned.
Skin Contact:	Rinse/flush skin gently using soap and water for 15-20 minutes. Seek medical advice if discomfort or irritation persists.
Ingestion:	Rinse mouth thoroughly. Do not induce vomiting. Seek medical attention if irritation, discomfort or vomiting persists. Never give anything by mouth to an unconscious person.
Inhalation:	Loosen clothing as necessary and position individual in a comfortable position. Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Get medical assistance if cough or other symptoms appear.
Important Symptoms & Effects (Acute & Delayed):	Irritation, headache, nausea, shortness of breath.
Medical Attention/Treatment if needed:	If seeking medical attention, provide SDS document to physician. Physician should treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media/Suitable Extinguishing Agents:	Use water, dry chemical, chemical foam, carbon dioxide or alcohol resistant foam.
Special Hazards Arising from the Substance or Mixture:	Thermal decomposition can lead to release of irritating gases and vapours.

**Advice for Firefighters:
Protective Equipment:**

Wear protective eyewear, gloves and clothing. Refer to Section 8. Use NIOSH approved respiratory protection/breathing apparatus.

Additional Information (Precautions):

Avoid inhaling gases, fumes, mist, vapour and aerosols. Avoid contact with skin, eyes and clothing.

SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and
Emergency Procedures:**

Ensure adequate ventilation. Ensure that air-handling systems are operational.

Environmental Precautions:

Should not be released into environment. Prevent from reaching drains, sewer or waterway.

**Methods and Material for Containment and Cleaning
Up:**

Wear protective eyewear, gloves and clothing. Refer to Section 8. Always obey regulations. Containerize for disposal. Refer to Section 13. If necessary use trained response staff or contractor. Evacuate personnel to safe areas. Keep in suitable closed containers for disposal.

SECTION 7: HANDLING AND STORAGE

Handling:

Avoid contact with skin, eyes and clothing. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke or use personal products when handling chemical substances.

Storage:

Store in a cool location. Keep away from food and beverages. Protect from freezing and physical damage. Provide ventilation for containers. Keep container tightly sealed. Store away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION



Control Parameters:

No applicable exposure limits.

Engineering Controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour and mists below the applicable workplace exposure limits (Occupational Exposure Limits – OELs) indicated above.

Respiratory Protection:

Not required under normal conditions of use. Where risk assessment shows air-purifying, respirator are appropriate, use a full-face particle respirator type N100 (US) or type (EN 143) respirator cartridges as a backup to engineering controls. When necessary use NIOSH approved breathing equipment.

Protection of Skin:

Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used gloves. Wear protective clothing.

Eye Protection:

Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Safety glasses or goggles are appropriate eye protection.

General Hygienic Measures:

Perform routine housekeeping. Wash hands before breaks at the end of work. Avoid contact with skin, eye and clothing. Before wearing, wash contaminated clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, Colourless Liquid
Odour Threshold:	Not determined
Odor:	Mild
Boiling Point:	Above 210° F
pH:	Approx. 5.0
Solubility in Water:	Material is water soluble
Melting/Freezing Point:	Not determined
Vapour Pressure:	Not determined
Vapour Density:	Not determined
Flash Point (closed cup):	Not determined
Evaporation Rate:	Not determined
Flammability:	Not determined
Density:	Not determined
Explosion Limit - Upper	Not determined
Explosion Limit - Lower	Not determined
Partition Coefficient (n-octanol/water):	Not determined
Auto/Self-ignition Temperature:	Not determined
Decomposition Temperature:	Not determined
Viscosity:	<ul style="list-style-type: none"> a. Kinematic: Not determined b. Dynamic: Not determined
Reactivity:	Non-reactive under normal conditions
Chemical Stability:	Stable under normal conditions
Possible Hazardous Reactions:	None under normal processing
Conditions to Avoid:	Incompatible materials. Do not mix with cleaners, do not freeze and avoid heat.
Incompatible Materials:	Sodium oxidizers

SECTION 10: STABILITY AND REACTIVITY

Reactivity:	Non-reactive under normal conditions
Chemical Stability:	Stable under normal conditions
Possible Hazardous Reactions:	None under normal processing
Conditions to Avoid:	Incompatible materials. Do not mix with cleaners, do not freeze and avoid heat.
Incompatible Materials:	Sodium oxidizers

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:	No additional information
Chronic Toxicity:	No additional information
Corrosion Irritation:	No additional information
Sensitization:	No additional information
Single Target Organ (STOT):	No additional information
Numerical Measures:	No additional information
Carcinogenicity:	No additional information
Mutagenicity:	No additional information
Reproductive Toxicity:	No additional information

SECTION 12: ECOLOGICAL INFORMATION

Eco Toxicity Persistence and Degradability:	N/A
Bio Accumulative Potential:	N/A
Mobility in Soil:	N/A

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal:	Contact a licensed professional waste disposal service to dispose of this material. Dispose of empty containers as unused product. Product or containers must not be disposed with household garbage. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult, regional and national hazardous waste regulations. Ensure complete and accurate classification.
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SECTION 14: TRANSPORT INFORMATION

UN-Number:	Not regulated
UN Proper Shipping Name:	Not regulated
Packaging Group:	Not Regulated

SECTION 15: REGULATORY INFORMATION

United States (USA):	
SARA Section 311/312 (specific toxic chemical listings):	None of the ingredients is listed.
SARA Section 313 (specific toxic chemical listings):	None of the ingredients is listed.
RCRA (hazardous waste code):	None of the ingredients is listed.
TSCA (Toxic Substance Control Act):	All ingredients are listed.
CERCLA (Comprehensive Environmental Response, Compensation and Liability Act):	None of the ingredients is listed.
Proposition 65 (California) :	
Chemicals known to cause cancer::	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for females:	None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for males:	None of the ingredients is listed.
Chemicals known to cause developmental toxicity:	None of the ingredients is listed.
Canada:	
Canadian Domestic Substances List (DSL):	All ingredients are listed.
Canadian NPRI ingredient Disclosure List (limit 0.1%):	None of the ingredients are listed.
Canadian NPRI ingredient Disclosure List (limit 1%):	None of the ingredients are listed.

SECTION 16: PREPARATION AND OTHER INFORMATION

This product has been classified in accordance with hazard criteria of the Controlled Products Regulation and SDS contains all the information required by the Controlled Products Regulations. Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

Abbreviations and acronyms: GHS Full Text Phrases:

IMDG:	International Maritime Code for Dangerous Goods
IATA:	International Air Transport Association
GHS:	Globally Harmonized System of Classification and Labelling of Chemicals
ACGIH:	American Conference of Governmental Industrial Hygienists
CAS:	Chemical Abstracts Service (division of the American Chemical Society)
NFPA:	National Fire Protection Association (USA)
WHMIS:	Workplace Hazardous Materials Information System (Canada)
DNEL:	Derived No-Effect Level (REACH)
PNEC:	Predicted No-Effect Concentration (REACH)
CFR:	Code of Federal Regulations (USA)
SARA:	Superfund Amendments and Reauthorization Act (USA)
RCRA:	Resource Conservation and Recovery Act (USA)
TSCA:	Toxic Substances Control Act (USA)
NPRI:	National Pollutant Release Inventory (Canada)
POT:	US Department of Transportation

PREPARED BY:	WHMIS Committee
PHONE NUMBER:	1-800-363-5796
EMERGENCY:	This SDS is Registered with CANUTEC
EMERGENCY NUMBER:	For 24hr Information call 613-996-6666
PREPARATION DATE:	January 2021
EXPIRES:	January 2023

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