

# Safety Data Sheet

Product: GrowDefender Antimicrobial Concentrate

SDS No: 15-8144A

## SECTION 1 : GENERAL INFORMATION

GrowDefender, LLC  
17 N Duke Street  
York, PA 17401

Telephone 516-674-4085  
In case of emergency call chemtrec: 516-674-4085  
Outside of U.S.A.: 516-674-4085  
Date: 01/20/2025

## SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the substance or mixture in accordance with 29 CFR 1910.1200 (OSHA HCS/GHS).

Signal Word: Warning



### GHS - Classification

Skin Corrosion/Irritation (Category 3)  
Eye Damage/Irritation (Category 2A)

### Hazard Statement(s)

H320 Causes eye irritation  
H333 May be harmful if inhaled  
H313 May be harmful in contact with skin  
H401 Toxic to aquatic life

### Precautionary Statement(s)

P262 Do not get in eyes, on skin, or on clothing.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves/eye protection/protective clothing.  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER.  
P302 + P352 IF ON SKIN: Wash with plenty of water for at least 15 minutes or more while removing clothing.  
P402 + P404 Store in a dry place. Store in a closed container.

## SECTION 3 : COMPOSITION/ INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS#	PERCENTAGE
3-(TRIHYDROXYSILYL)PROPYLDIMETHYLOCTADECYL AMMONIUM CHLORIDE	199111-50-7	5%

SPECIFIC CHEMICAL IDENTITY AND PERCENTAGE (CONCENTRATION) MAY BE A TRADE SECRET AS ALLOWED BY 29 CFR 1910.1200

## SECTION 4 : FIRST AID MEASURES

**EYES:** FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING EYELIDS. GET MEDICAL ATTENTION.

**SKIN:** WASH EXPOSED AREAS WITH SOAP AND WATER. IF IRRITATION PERSIST, SEEK MEDICAL ATTENTION.

**INGESTION:** INDUCE VOMITING BY GIVING 2 GLASSES OF WATER AND PLACE FINGER DOWN THROAT. CALL A PHYSICIAN. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**INHALATION:** IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR.

## SECTION 5 : FIRE FIGHTING MEASURES

**FLASH POINT:** >200F

**EXTINGUISHING METHOD:** USE WATER, CARBON DIOXIDE, DRY CHEMICAL OR FOAM.

**SPECIAL FIRE FIGHTING PROCEDURES:** USE SELF-CONTAINED BREATHING APPARATUS. WEAR FULL PROTECTIVE CLOTHING.

**UNUSUAL FIRE FIGHTING PROCEDURES:** NONE KNOWN.

## SECTION 6 : ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Ensure adequate ventilation. Keep people away from and upwind of spill/leak.

**ENVIRONMENTAL PRECAUTIONS:** Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system. Advise water authority if spillage has entered water course or drainage system.

**METHODS FOR CLEAN UP:** Use mechanical handling equipment. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

**SPILL:** VENTILATE AREA, PERSONS PERFORMING CLEAN-UP SHOULD WEAR ADEQUATE PROTECTION EQUIPMENT. CONTAIN MATERIAL BY DIKING THE AREA AROUND THE SPILL. IF THE PRODUCT IS IN A SOLID FORM, SHOVEL DIRECTLY INTO RECOVERY DRUMS. IF THE PRODUCT IS A LIQUID, IT SHOULD BE PICKED UP USING A SUITABLE ABSORBANT MATERIAL, THEN SHOVED TO RECOVERY DRUMS. IF THE MATERIAL IS RELEASED INTO THE ENVIRONMENT, THE USER SHOULD DETERMINE WHETHER THE SPILL SHOULD BE REPORTED TO THE APPROPRIATE LOCAL, STATE AND FEDERAL AUTHORITIES.

## SECTION 7 : HANDLING AND STORAGE

**HANDLING AND STORAGE:** MATERIAL SHOULD BE STORED IN ITS OWN CONTAINER AND SHOULD ALWAYS BE KEPT COVERED WHEN NOT

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IN USE.

## SECTION 8 : EXPOSURE CONTROLS AND PERSONAL PROTECTION

ROUTES OF EXPOSURE: EYES, SKIN, INGESTION, INHALATION

### SYMPTOMS OR ACUTE HEALTH HAZARDS

EYES: CAUSES EYE IRRITATION.

SKIN: CAUSES SKIN IRRITATION.

INGESTION: MAY CAUSE GASTROINTESTINAL IRRITATION.

INHALATION: MAY CAUSE IRRITATION OF NOSE, THROAT AND UPPER RESPIRATORY TRACT.

RESPIRATORY PROTECTION: IF NEEDED, USE A NIOSH APPROVED RESPIRATOR.

VENTILATION: USE SUFFICIENT MECHANICAL(GENERAL)OR LOCAL EXHAUST.

PROTECTIVE EQUIPMENT: GLOVES, GOGGLES

WORK/ HYGIENIC PRACTICES: AS WITH ALL INDUSTRIAL CHEMICALS, CARE SHOULD BE TAKEN TO AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. HANDS AND UNPROTECTED SKIN SHOULD BE THOROUGHLY WASHED AND CONTAMINATED CLOTHING SHOULD BE CHANGED PRIOR TO ANY DIRECT PERSONAL CONTACT. ALL EXPOSED CLOTHING SHOULD BE LAUNDERED PER NORMAL CARE INSTRUCTIONS BEFORE REUSE

### EXPOSURE LIMITS

3-(TRIHYDROXYSILYL)PROPYLDIMETHYLOCTADECYL AMMONIUM CHLORIDE

### LIMITS

N/A

## SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

PH:	3.0-5.0 AS IS	Evaporation Rate:	N.D.
SOLUBILITY:	SOLUBLE IN WATER	Vapor Pressure:	N.D.
SPECIFIC GRAVITY:	0.990-1.010	Vapor Density:	N.D.
APPEARANCE:	CLEAR TO SLIGHTLY HAZY COLORLESS LIQUID	Auto Ignition Temperature:	N.A.
Bod:	N.D.	LEL	N.A.
Cod:	N.D.	UEL:	N.A.
Odor:	ODORLESS	VOC:	N.D.
Odor Threshold:	N.D.	FlashPoint:	>200F
Melting Point:	N.D.	Boiling Point:	N.D.

## SECTION 10 : STABILITY AND REACTIVITY

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

DECOMPOSITION PRODUCTS: CARBON OXIDES

CONDITIONS AND MATERIALS TO AVOID: STRONG OXIDIZING AGENTS

## SECTION 11 : TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: N.D.

Chronic Toxicity: N.D.

Carcinogenicity: N.D.

Target Organ Effects: N.D.

This product has not yet been tested. The information is derived from the properties of the individual components.

## SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity: TOXIC TO MARINE ANIMALS

Persistence Degradability: N.D.

Bioaccumulation: N.D.

Mobility: N.D.

This product has not yet been tested. The information is derived from the properties of the individual components.

## SECTION 13 : DISPOSAL CONSIDERATIONS

Disposal of this product should be made in accordance with federal state and local regulations.

## SECTION 14 : TRANSPORT INFORMATION

TRANSPORTATION: NOT REGULATED BY DOT AND IATA

## SECTION 15 : REGULATORY DATA

TITLE III-SARA: THE FOLLOWING DATA IS BEING SUPPLIED IN COMPLIANCE WITH TITLE III SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) PART 313 AND 40 CFR 372

THIS PRODUCT DOES NOT CONTAIN ANY CHEMICALS FOUND ON THE SARA LIST IN 40 CFR 372.

CALIFORNIA PROPOSITION 65: CONTAINS NO MATERIALS KNOWN TO BE ON THE CALIFORNIA PROPOSITION 65 LIST.

Listed on the following inventories:

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## SECTION 16 : OTHER INFORMATION

Large Spill: NA

Fire: NA

Other Info:

### DISCLAIMER

THE INFORMATION GIVEN HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER ORIGINATING WITH THIS COMPANY OR NOT. THE INFORMATION IS OFFERED SOLELY FOR YOUR CONSIDERATION. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE INFORMATION IS CURRENT AND SUITABLE FOR THEIR NEEDS.

End of SDS