

GEM Protect

SECTION 1: GENERAL INFORMATION

COMPANY NAME: Green Environmental
Maintenance
Address: 458 S Link Ln, Fort
Collins, CO 80524
Telephone: 970-786-5868

In case of emergency
call Chemtrec: 1-800-424-9300
Outside of U.S.A.: 001-703-527-3887
Date: 03-01-2020

SECTION 2: HAZARDS IDENTIFICATION

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

Signal Word

Warning



GHS-Classification

Eye Damage/Irritation (Category 2B)

Hazard statements

H320

Causes eye irritation

Precautionary Statement(s)

P264

P280

P305 + P351 + P338 IF IN EYES:

Wash hands thoroughly after handling.
Wear protective gloves/eye protection/protective
clothing. Rinse cautiously with water for 15 minutes
or more.

Remove contact lenses, if present and easy to do

Continue rinsing. P337 + P313 If eye irritation

persists: Get medical attention

P501

Dispose of contents in container in accordance with local/
state federal/international regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT

3-(trimethoxysilyl) propyldimethyloctadecyl ammonium chloride

CAS#

none

PERCENTAGE

0.67%

EPA REG. NUMBER 83129-1

SPECIFIC CHEMICAL NAME(S) AND CAS NUMBER(S) 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 PERSISTS, 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 MEASURE

- 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 ABSORBENT MATERIAL, THEN SHOVELED 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 IN USE. ALL CONTAINERS SHOULD BE RINSED THOROUGHLY 3 TIMES PRIOR TO DISPOSAL.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ROUTES OF EXPOSURE:

EYES, SKIN, INGESTION, INHALATION

EYES:

CAUSES EYE IRRITATION.

SKIN:

MAY CAUSE 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, APRON, 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

Octadecylaminodimethyltrimethoxysilylpropylammonium chloride

LIMITS

N.D.

EPA REG. NUMBER 48937-1

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PH:

4.0-6.0 AS IS

SOLUBILITY:

SOLUBLE IN WATER

SPECIFIC GRAVITY:

0.975-1.025

APPEARANCE:

CLEAR COLORLESS LIQUID

Bod:

NO DATA

Cod:

NO DATA

Odor:

MILD

Odor Threshold:

NO DATA

Melting Point:

NO DATA

Evaporation Rate:

NO DATA

Vapor Pressure:

NO DATA

Vapor Density:

NO DATA

Auto Ignition Temperature:

NA

LEL:

NA

UEL:

NA

VOC:

NO DATA

Flash Point:

>200F

Boiling Point:

NO DATA

SECTION 10: STABILITY and REACTIVITY

<u>STABILITY:</u>	STABLE
<u>HAZARDOUS POLYMERIZATION:</u>	WILL NOT OCCUR
<u>DECOMPOSITION PRODUCTS:</u>	CARBON OXIDES
<u>CONDITIONS AND MATERIALS TO AVOID:</u>	STRONG OXIDIZING AGENTS

SECTION 11: TOXICOLOGICAL INFORMATION

<u>ACUTE TOXICITY:</u>	NO DATA
<u>Chronic Toxicity:</u>	NO DATA
<u>Carcinogenicity:</u>	NONE
<u>Target Organ Effects:</u>	NO DATA

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

SECTION 12: ECOLOGICAL INFORMATION

<u>Ecotoxicity</u>	NO DATA
<u>Persistence Degradability</u>	NO DATA
<u>Bioaccumulation</u>	NO DATA
<u>Mobility</u>	NO DATA

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

<u>TRANSPORTATION:</u>	NOT REGULATED BY D.O.T.
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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: TSCA

SECTION 16: OTHER INFORMATION

Large Spill: NA

Fire: NA

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 Safety Data Sheet -