

Material Safety Data Sheet

PRAESTOL 186K

MSDS ID: WT-127A
Formerly: WT-127

*** Section 1 - Chemical Product and Company Identification ***

Stockhausen Inc.
2401 Doyle Street
Greensboro, NC 27406

Phone: (800) 242-2271

Emergency #: (800) 424-9300 CHEMTREC

*** Section 2 - Composition / Information on Ingredients ***

CAS #	Component	Percent
26062-79-3	Poly(diallyldimethylammonium chloride)	

Component Information/Information on Non-Hazardous Components

None

*** Section 3 - Hazards Identification ***

Emergency Overview

Repeated and/or prolonged contact may cause irritation to the eyes and skin.

Potential Health Effects: Eyes

Irritant

Potential Health Effects: Skin

Irritant

Potential Health Effects: Ingestion

Not expected to be harmful by ingestion. If swallowed, do not induce vomiting.

Potential Health Effects: Inhalation

Avoid inhalation of mist/aerosol forms of the product.

HMIS Ratings: Health: 1 Fire: 0 Reactivity: 0 Pers. Prot.: B

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention.

First Aid: Skin

Flush thoroughly with soap and water for at least 15 minutes.

First Aid: Ingestion

If ingestion of a large amount does occur, seek medical attention.

First Aid: Inhalation

Not expected to be harmful. Move to fresh air.

*** Section 5 - Fire Fighting Measures ***

General Fire Hazards

Not expected to burn unless heated to dryness. Residue may ignite.

Upper Flammable Limit (UFL): Not determined

Lower Flammable Limit (LFL): Not determined

Material Safety Data Sheet

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Method Used: PMCC

Flash Point: >212 F

Flammability Classification:

Auto Ignition: Not determined

Hazardous Combustion Products

On thermal decomposition oxides of carbon, nitrogen and hydrochloric acid fumes may be formed.

Extinguishing Media

Dry chemical, foam, carbon dioxide, water fog.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus.

NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

*** Section 6 - Accidental Release Measures ***

Containment Procedures

Absorb spill with inert material. Shovel material into appropriate container for disposal.

Clean-Up Procedures

None specified.

Evacuation Procedures

None.

Special Procedures

Remove spills promptly as they may make floors slippery. Several washes and/or the use of detergents may be necessary to completely clean any spill.

*** Section 7 - Handling and Storage ***

Handling Procedures

Handle as an irritant.

Storage Procedures

Prevent product from freezing.

*** Section 8 - Exposure Controls / Personal Protection ***

A: Component Exposure Limits

No information is available.

Engineering Controls

Provide adequate ventilation to minimize worker exposure.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Safety glasses or goggles.

Personal Protective Equipment: Skin

Skin contact should be minimized. Impervious gloves (rubber or neoprene) are recommended.

Personal Protective Equipment: Respiratory

Not required under normal operating conditions.

Personal Protective Equipment: General

Wash thoroughly after handling. Wash contaminated clothing prior to use.

*** Section 9 - Physical & Chemical Properties ***

Material Safety Data Sheet

PRAESTOL 186K

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Appearance: Viscous, amber liquid
Physical State: Liquid
Vapor Pressure: N/E
Boiling Point: > 212 F
Solubility (H2O): Fully soluble
Evaporation Rate: N/E (butyl acetate =1)
Bulk Density: 9.0 lbs./gallon

Odor: Amine or musty odor.
pH: 5.0-7.0
Vapor Density: N/E
Melting Point: 27-32 F
Specific Gravity: 1.1 (water = 1)
Viscosity: 1000-3000cps @25C

Physical Properties: Additional Information

Caution. Spilled product creates very slippery conditions.

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable under usual application conditions.

Chemical Stability: Conditions to Avoid

None identified.

Incompatibility

Strong oxidizers, iron, mild steel, copper, copper alloys and aluminum.

Hazardous Decomposition

None identified.

Hazardous Polymerization

Hazardous polymerization will not occur.

*** Section 11 - Toxicological Information ***

Acute and Chronic Toxicity

A: General Product Information

Eye and skin irritant. May aggravate existing medical conditions such as rashes, allergies or other sensitive areas. Symptoms may include reddening, swelling of affected areas with possible itching, burning or other discomfort.

B: Acute Toxicity-LD50/LC50

Poly(diallyldimethylammonium chloride) (26062-79-3)

LD50: Oral LD50 Rat: 3 gm/kg
Oral LD50 Mouse: 1720 mg/kg

Carcinogenicity

A: General Product Information

NTP: No
IARC: No
OSHA: No

B: Component Carcinogenicity

No information is available.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

Aquatic LC50:

(Ceriodaphnia Magna: 48 hrs): 0.57 mg/l in 100 mg/l CaCO3

(Pimephales promelas: 96 hrs): 16.3 mg/l in 180 mg/l CaCO3; with 10 mg/l TOC(total organic carbon) from humic acid

Material Safety Data Sheet

PRAESTOL 186K

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(Pimephales promelas: 96 hrs): 0.75 mg/l in 100 mg/l CaCO₃

Aquatic toxicity is reduced by factors from 10 to 100 times in the presence of 5 to 10 mg/l organic carbon as is found in most surface waters.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No information available,

Environmental Fate

The product is rapidly eliminated from the aquatic medium through irreversible adsorption onto suspended matter and dissolved organics.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

Incinerate or dispose of unadulterated product as a non-hazardous waste. Solidify and landfill according to local, state and federal regulations.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Contain and collect using absorbent material if needed. Flush residuals to drain for normal biological treatment. Place collected material into suitable containers for proper disposal.

*** Section 14 - Transportation Information ***

International Transportation Regulations

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: Clean Air Act

No information is available.

B: Component Analysis

No information is available.

C: Food & Drug Administration

None of the components in this product are listed by the FDA under regulations for Direct and Indirect Food Additives.

Component Analysis - State

None of this product's components are listed on the state lists from CA, FL, MA, MN, NJ, or PA.

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Poly(diallyldimethylammonium chloride)	26062-79-3	Yes	DSL	No

*** Section 16 - Other Information ***

Material Safety Data Sheet

PRAESTOL 186K

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Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use.

MSDS History

REVISION: "CHEMTREC" has been added to Section 1.

Key/Legend

Contact: Product Compliance Officer

Contact Phone: (800) 242-2271