

Penetrexx

Active Ingredient: 3-(Trimethoxysilyl)propyl dimethyl octadecyl ammonium chloride 1.0%

CAS#: 27668-52-6

SECTION 1. IDENTIFICATION

Product Identifier Penetrexx

Other Means of Identification EPA Registration Number 92057-3

Manufacturer Clearstream Technologies, 801 Clanton Road, Suite C-104, Charlotte, NC, 28217, USA

Emergency Phone No. Chemtrec, 800-424-9300
Outside of USA, 1-703-527-3887

SDS No. 0207

SECTION 2. HAZARD IDENTIFICATION

Classification

Eye irritation - Category 2B

Label Elements

Signal Word:

Warning

Hazard Statement(s):

H320 Causes eye irritation.

Precautionary Statement(s):

Prevention:

P264 Wash hands and skin thoroughly after handling.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice or attention.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
1-Octadecanaminium, N,N-dimethyl-N-(3-(trimethoxysilyl)propyl)-, chloride	27668-52-6	1		

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes.

Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open.

Ingestion

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Water spray. Alcohol-resistant foam. Carbon dioxide (CO₂). Dry chemical.

Specific Hazards Arising from the Product

None known.

Special Protective Equipment and Precautions for Fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

Place used absorbent into suitable, covered, labelled containers for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Wear personal protective equipment to avoid direct contact with this chemical.

Conditions for Safe Storage

Keep in a dry, cool and well-ventilated place. Do not expose to temperatures exceeding 50 °C/122 °F. Keep out of the reach of children.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls

General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection

Safety glasses.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

In case of insufficient ventilation wear suitable respiratory equipment.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

pH	4 - 6 (100% solution)
Flash Point	> 93 °C (200 °F)
Relative Density (water = 1)	0.975 - 1.025
Solubility	Soluble in water

Other Information

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SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

Hazardous polymerization will not occur.

Conditions to Avoid

Strong oxidizers.

Incompatible Materials

Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products

Oxides of carbon, silicon and nitrogen.

SECTION 11. TOXICOLOGICAL INFORMATION

Oral ATEmix = 378947.4 mg/kg

1.28% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (oral)

Dermal ATEmix = 799999.9 mg/kg

1.38% of the mixture consists of an ingredient or ingredients of unknown acute toxicity (dermal).

Serious Eye Damage/Irritation

Causes eye irritation.

SECTION 12. ECOLOGICAL INFORMATION

Persistence and Degradability

No ingredient of this product or its degradation products is known to be highly persistent.

Bioaccumulative Potential

This product and its degradation products are not expected to bioaccumulate.

Mobility in Soil

No information was located.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations.

SECTION 14. TRANSPORT INFORMATION

Not regulated under US DOT Regulations.

Special Precautions Not applicable

Transport in Bulk according to International Maritime Organization Instruments

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

THE FOLLOWING DATA IS BEING SUPPLIED IN COMPLIANCE WITH TITLE III SUPERFUND AMENDMENTS AND

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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.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

Additional USA Regulatory Lists

California Proposition 65: none known.

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 1** **Flammability - 0** **Instability - 0**
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