

Date: August 11, 2016

Former date: February 5, 2016

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Trade name

AquaGraft PEMC-1

Company product code

-

Reach registration number

-

1.2 Relevant identified uses of the substance or mixture and uses advised against**The uses of the chemical**

Electrical insulation compound.

Classification of economic activities (NACE)**Use categories (UC62)**

55 Others

The chemical can be used by the general public

The chemical is used by the general public only

1.3 Details of the supplier of the safety data sheet**Manufacturer, importer, other undertaking**

Electric Cable Compounds, Inc.

Street address

108 Rado Drive

Postcode and post office

Naugatuck CT 06770 (USA)

Telephone number

+1 203 723 2590

Telefax

+1 203 723 2528

E-mail address

customerservice@eccompounds.com

1.4 Emergency telephone number

+1 203 742-1543

SECTION 2: HAZARDS IDENTIFICATION**2.1 Classification of the substance or mixture**

GHS: Not Classified

2.2 Label elements

None Required

Hazard statements

Dust may cause mechanical irritation to the eyes and/or skin.

Precautionary statements

P391 Collect spillage.
P501 Dispose of contents/container in accordance with local regulations.

2.3 Other hazards

Fumes from heating may irritate the respiratory system.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous ingredients

| CAS/EC number and the registration number | Name of the ingredient | Concentration | Classification |
|---|------------------------|---------------|----------------|
| 2768-02-7 | Vinyltrimethoxysilane | < 1 % | H226; H332 |
| | | | |

This product is a mixture containing 99 – 100% unclassified polymers. The hazards of the product are expected to be less than those of the components individually because of the reduced amount of those components, and the fact that they are contained in a polymer matrix.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General: In case of accident or if you feel unwell, seek medical advice immediately (show this safety data sheet where possible).

Inhalation: Immediately remove victim to fresh air. If victim has stopped breathing, give artificial respiration, preferably mouth to mouth. Get medical attention immediately.

Skin contact: Wash the affected skin with water. If skin irritation persists or dermatitis develops, contact a doctor. If molten material gets on skin, cool rapidly with cold water. Do not attempt to remove material from skin. Obtain medical treatment for thermal burn.

Eye contact: In case of contact with cool material, immediately flush eyes with plenty of water for at least 15 minutes. Get medical advice if eye irritation persists. If molten material gets into eyes, immediately flush eyes for at least 15 minutes with cool water. Do not allow victim to rub eyes. Get medical attention immediately.

Ingestion: If swallowed, do not induce vomiting. Drink plenty of water. Contact a doctor if large amounts have been ingested. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: Release Vinyltrimethoxysilane may occur from this product and may concentrate in confined spaces if sufficient ventilation is not available. These gases may irritate the respiratory system.

Skin contact: Allergic skin reaction in sensitized individuals. Prolonged exposure may cause slight irritation. Rubbing may cause mechanical irritation. This material is not likely to be hazardous by skin contact but cleansing the skin after use is advisable.

Eye contact: Dust may mechanically irritate eyes.

Ingestion: Symptoms or effects not known. This material is not believed to present a hazard if swallowed.

4.3 Indication of any immediate medical attention and special treatment needed

No special instructions. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

- 5.1 Extinguishing media**
Use water, CO₂, foam or dry chemicals.
- 5.2 Special hazards arising from the substance or mixture**
During fire smoke is formed. The smoke contains carbon, carbon oxides and other substances that may be hazardous to health.
- 5.3 Advice for firefighters**
Use appropriate protective equipment and a self-contained breathing apparatus. Extinguishing water run-off must not be allowed to enter drains, sewers or water courses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions, protective equipment and emergency procedures**
Use appropriate personal protection, see section 8.2. Ensure adequate ventilation. Keep unauthorized persons away from danger zone.
- 6.2 Environmental precautions**
Prevent entry into sewers, soil and waterways. If the product pollutes lakes, water courses or drainage systems, inform the local authorities.
- 6.3 Methods and material for containment and cleaning up**
Collect by vacuuming or sweeping into suitable containers for reuse or dispose of in accordance with local regulations.
- 6.4 Reference to other sections**
Safe handling: see section 7.
Personal protection equipment: see section 8.2.
Disposal: see section 13.

SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling**
Do not breathe fumes from hot product. Avoid contact with skin, eyes or clothes. Ensure adequate ventilation, use local exhaust ventilation for working of product. Ventilation must be effective enough to keep air concentration of fumes low. The product may become electrostatically charged e.g. when transferred from one container to another or during working. Prevent static electricity and formation of sparks (use earthing).
- 7.2 Conditions for safe storage, including any incompatibilities**
Storage in cool, dry and well ventilated area. Store away from open fire, hot surfaces, direct sunlight and ignition sources. Recommended storage temperature below 50 °C. Protect from light and humidity.
Incompatible materials: see section 10.5.
- 7.3 Specific end use(s)**
None reported.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

National occupational exposure limit values

None established

DNEL

Chemical safety assessment has not been performed.

PNEC

Chemical safety assessment has not been performed.

8.2 Exposure controls

Appropriate engineering controls

Ensure adequate ventilation. Good general ventilation should be sufficient to control any air contaminants and dust below acceptable exposure limits. Contact the supplier of personal protection equipment for information on breakthrough times for gloves and clothes.

Eye/face protection

Use safety goggles in case of splash risk or formation of fumes.

Skin protection

Wear appropriate protective clothing. Remove contaminated clothing and wash before reuse.

Hand protection

Use appropriate chemical resistant gloves. Contact the glove supplier for advice on suitable protective gloves. When handling hot material, use heat resistant gloves.

Respiratory protection

Normally not needed. Respiratory protection must be used if air concentration exceeds acceptable level (filter type A/P2).

Thermal hazards

Molten material may cause thermal burns and may release harmful gases.

Environmental exposure controls

Prevent entry into environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|--|---------------------------|
| Appearance | solid cylindrical pellets |
| Odor | mild, sweet pungent odor |
| Odor threshold | unknown |
| pH | not applicable |
| Melting point/freezing point | unknown |
| Initial boiling point and boiling range | unknown |
| Flash point | not applicable |
| Evaporation rate | not applicable |
| Flammability (solid, gas) | unknown |
| Upper/lower flammability or explosive limits | unknown |
| Vapor pressure | not applicable |
| Vapor density | not applicable |
| Relative density | unknown |
| Solubility(ies) | insoluble in water |
| Partition coefficient: n-octanol/water | not applicable |
| Auto-ignition temperature | not applicable |
| Decomposition temperature | over 200 °C |
| Viscosity | not applicable |
| Explosive properties | not explosive |
| Oxidizing properties | not oxidizing |

9.2 Other information

Specific gravity: 0.88 -0.92

SECTION 10: STABILITY AND REACTIVITY

- 10.1 Reactivity**
Not reactive under normal use and storage conditions. Stable in normal temperatures and air pressure. Hazardous polymerization does not occur.
- 10.2 Chemical stability**
Chemically stable under normal storage conditions.
- 10.3 Possibility of hazardous reactions**
No hazardous reactions known under normal use and storage conditions.
- 10.4 Conditions to avoid**
Keep away from intense heat (> 200 °C), ignition sources, humidity and light.
- 10.5 Incompatible materials**
No incompatible materials known.
- 10.6 Hazardous decomposition products**
Thermal decomposition and burning may produce fumes that are hazardous to health (carbon monoxide, carbon dioxide, and organic vapors).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

There are no data available on the product itself. The product is not classified as acutely toxic.

Skin corrosion/irritation

The product is not classified as irritating or corrosive to skin. Dust may cause irritation of the skin.

Serious eye damage/irritation

The product is not classified as irritating or damaging to eye. Dust may cause eye irritation.

Respiratory or skin sensitisation

A compound in this product is a skin sensitizer.

Germ cell mutagenicity

The product is not classified as a mutagen.

Carcinogenicity

The product is not classified as a carcinogen.

Reproductive toxicity

The product is not classified as a reproductive toxicant.

STOT-single exposure

The product is not classified as toxic to specific target organs through single exposure. Hot fumes from working may irritate respiratory system.

STOT-repeated exposure

The product is not classified as toxic to specific target organs through repeated exposure.

Aspiration hazard

The product is not classified as hazardous with aspiration.

Other information

There are no further data available on the product. Repeated or prolonged exposure may cause irritation of the skin.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 Toxicity**
There are no data available on the product itself. The product is classified as toxic to aquatic life with long lasting effects. Prevent entry into environment.
- 12.2 Persistence and degradability**
No data.
- 12.3 Bioaccumulative potential**
No data.

- 12.4 Mobility in soil**
Insoluble in water.
- 12.5 Results of PBT and vPvB assessment**
Chemical safety assessment has not been performed, assessment results for components not available.
- 12.6 Other adverse effects**
Not reported.

SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**
Dispose of in compliance with local and national regulations.

SECTION 14: TRANSPORT INFORMATION

- 14.1 Shipping Classification**
This product is not classified for transportation in the US.
- 14.2 Environmental hazards**
No special precautions.
- 14.3 Special precautions for user**
No special precautions.
- 14.4 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
Not applicable.

SECTION 15: REGULATORY INFORMATION

- 15.1 TOXIC SUBSTANCE CONTROL ACT:** All the components of this product are on the TSCA inventory.

OSHA HAZARD COMMUNICATION: Dust from this product would be classified as a nuisance dust

STATE REGULATORY INFORMATION: For details on your specific state regulatory requirements, you should contact the appropriate agency in your state.

- 15.2 Chemical safety assessment**
Chemical safety assessment has not been performed.

SECTION 16: OTHER INFORMATION

Changes to previous version
Revisions are listed in Header of this document

References
Decree of Ministry of social affairs and health about concentrations known to be adverse 268/2014 (STM: HTP values 2014)
MSDSs for ingredients and information about concentrations of ingredients from the manufacturer

Procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]
Environmental hazards: Calculation method.

Training appropriate for workers
Read the instructions in this SDS.

Manufacturer
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Naugatuck, CT 06770
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