Section 1. Product and Company Identification

Product Name Polyquaternium-7
CAS Number 26590-05-6

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CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
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Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture
Acute aquatic toxicity Category 3; H402
Chronic aquatic toxicity Category 3; H412

Hazard and precautionary statements
Hazard statement(s)
H412: Harmful to aquatic life with long lasting effects.
Precautionary statement(s)
P273: Avoid release to the environment.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards which do not result in classification: Not known

Section 3. Composition / Information on Ingredients

Common Name Polyquaternium-7
Synonym(s) 2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride, polymer with 2-propenamide; 2-Propen-1-aminium, N,N-dimethyl-N-2-propenyl-, chloride (1:1), polymer with 2-propenamide; Acrylamide-Diallyldimethylammonium chloride copolymer; Poly(acrylamide-co-diallyldimethylammonium chloride)
CAS Number 26590-05-6

COMPONENT	CAS NUMBER	CONCENTRATION
Polyquaternium-7	26590-05-6	8.5 - 9.5%

Section 4. First Aid Measures

Description of necessary first-aid measures
Inhalation: Remove to fresh air.
Skin contact: Flush with water for at least 15 minutes. Seek medical advice, if necessary.

Eye contact: Flush with water for at least 15 minutes under running water with eyelids held open forcibly. Consult the doctor, if necessary.
Ingestion: Immediately rinse mouth and drink plenty of water. If feeling unwell, after accidental swallowing, consult the doctor.

Most important symptoms/effects, acute and delayed: Data not available on toxic symptoms.

Indication of immediate medical attention and special treatment needed, if necessary: No information available.

Section 5. Firefighting Measures

Suitable extinguishing media: Dry chemical powder, water, carbon dioxide and foam.
Unsuitable extinguishing media: Not known.
Specific hazards arising from the chemical: Development of hazardous combustion products like oxides of carbon and nitrogen, ammonia and hydrochloric acid possible in the event of fire.
Special protective equipment and precautions for fire-fighters: Wear personal protective equipment and self-contained breathing apparatus.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Wash hands after exposure with the substance. Avoid contact with skin, eyes and clothing.
Environmental precautions: Do not discharge into drains, surface water or ground water.

Methods and materials for containment and cleaning up
Small spill: Absorb with suitable absorbent material. Collect in suitable and properly labeled container.
Large spill: Contain spilled material if possible. Pump into suitable and property labeled containers. Dispose of absorbed material/collected material in accordance with regulations.

Section 7. Handling and Storage

Precautions for safe handling: Follow general occupational hygiene such as, wash hands after use. Do not eat, drink or smoke in work areas. Remove contaminated clothing. Avoid spill. Follow safe procedures for loading and un-loading of product
Conditions for safe storage, including any incompatibilities: Store the material in a clean, dry place at 20-35°C, away from direct heat and sunlight. Keep the containers tightly closed after use. On prolonged storage below 10°C, product may get solidified. If solidifies, it is recommended to keep the in hot room of 30-40°C (avoid direct heating).

Section 8. Exposure Controls / Personal Protection

Control parameters
Occupational exposure limits: No data available
Biological limit values: No data available
Appropriate engineering controls: Proper plant design, technical measures and working operations should minimize human exposure

Individual protection measures, such as personal protective equipment (PPE)
Eye/face protection: Safety goggles
Skin protection: Apron, rubber gloves and shoes
Respiratory protection: None required when adequate ventilation is available

Section 9. Physical and Chemical Properties

Physical state: Clear, viscous liquid
Color: Colour1ess
Odor: Mild, aldehydic
Odor threshold: No data available
pH (as such): 6.0 -7.5
Freezing point: - 1°C
Initial boiling point and boiling range: > 100°C
Flash point: > 100°C
Evaporation rate: No data available
Flammability (solid, gas): No data available
Upper/lower flammability or explosive limits: No data available
Vapor pressure: No data available
Vapor density: No data available
Relative density: 1.000- 1 .050 at 25°C
Solubility(ies): Soluble in water
Partition coefficient: n- octanol/water: Not determined
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity (Brookfield, #4, 10 rpm): 7,500 - 15,000 cps at 25°C

Section 10. Stability and Reactivity

Reactivity: No hazardous reactions, if stored and handled as prescribed (Refer Section 7).
Chemical stability: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of hazardous reactions: Not anticipated when used or handled as prescribed.
Conditions to avoid: Heat, flame and other sources of ignition.
Incompatible materials: Do not subject to strong oxidizing agents.
Hazardous decomposition products: Will not form, if stored or handled as prescribed.

Section 11. Toxicological Information

Acute oral toxicity (Rat): LD_{50}: > 39,800 mg/kg
Acute dermal toxicity (Rabbit): LD_{50}: > 21,500 mg/kg

Acute inhalation toxicity: No data available
Skin corrosion / irritation (Rabbit): No irritation
Serious eye damage / irritation (Rabbit) : Not classified. Mildly irritating and irritation was cleared after 24 hours
Respiratory or skin sensitization (Human RIPT): No sensitization
Germ cell mutagenicity (Ames test): Non mutagenic
Carcinogenicity: No data available
Reproductive toxicity: No data available
STOT-single exposure: No data available
STOT-repeated exposure: No data available
Aspiration hazard: No data available
Information on likely routes of exposure: Dermal and oral
Symptoms related to the physical, chemical and toxicological characteristics: Data not available on toxic symptoms

Delayed and immediate effects as well as chronic effects from short and long-term exposure
Short term exposure: No data available
Long term exposure: No data available

Section 12. Ecological Information

Toxicity
Short-term toxicity to fish: LC_{50}: > 10- < 100 mg/l
Long-term toxicity to fish: No data available
Short-term toxicity to aquatic invertebrates: No data available
Long-term toxicity to aquatic invertebrates: No data available
Toxicity to aquatic algae: No data available
Persistence and degradability: No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available
Other adverse effects: No data available

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

Not classified as dangerous according to transport regulations.

Section 15. Regulatory Information

Safety, health and environmental regulations specific for the product in question:
None as per data available

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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