Material Safety Data Sheet

 CHEMICAL PRODUCT AND DISTRIBUTOR IDENTIFICATION

Product Name: Polyquaternium-7
CAS #: 26590-05-6
Distributor: McKINLEY RESOURCES
Address: PO Box 810472, Dallas, TX 75381
Phone Number: 972-620-9730
Emergency Phone: 800-424-9300 Chemtrec

 COMPOSITION / INFORMATION ON INGREDIENTS

INFORMATION ON HAZARDOUS INGREDIENTS:
CHEMICAL NAME: Polyquaternium 7
% COMPOUND: 8.0 – 9.0
CAS#: 26590-05-6
EINECS #: Polymer

HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

ENVIRONMENTAL HAZARDS: None
HUMAN HEALTH HAZARDS: Moderate (2)

 FIRST AID MEASURES

EFFECT AND SYMPTOMS:
INGESTION: Harmful if ingested. Causes irritation.
INHALATION: Not a hazard under normal handling conditions.
SKIN CONTACT: Non-irritant.
EYE CONTACT: Mild irritant.

FIRST AID MEASURES:
INGESTION: If there is any digestive discomfort, consult a doctor immediately.
INHALATION: If fumes or combustion products are inhaled, remove to fresh air immediately.
If persistent cough develops, call a doctor.
SKIN CONTACT: Wash material off the skin with copious amounts of soap and water.
If redness or itching persist, seek medical attention.
EYE CONTACT: Wash eyes with copious amounts of water.
If redness or itching persist, seek medical attention.
PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
COLOR: Colorless to Pale Yellow
ODOR: Characteristic
BOILING POINT, °C: 100°C
MELTING POINT, °C: Not applicable
pH (5% SOLUTION): 6.5 – 7.5
SOLUBILITY WATER: Soluble
SOLUBILITY OIL & SOLVENTS: Insoluble
VAPOR DENSITY (AIR = 1): > 1 (Similar to water)
FLASH POINT, °C: 100°C
AUTO-IGNITION TEMPERATURE: Not applicable
LOWER EXPLOSION LIMIT: Not applicable
UPPER EXPLOSION LIMIT: Not applicable
SPECIFIC GRAVITY @ 25°C: 1.010 – 1.015
VAPOR PRESSURE (mm Hg): Similar to water
VISCOSITY @ 25°C, #4, 12 rpm: 7500 – 15000 cps

FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:
SUITABLE: Use extinguishing media suitable for fire (i.e., water, foam, CO₂)
NOT SUITABLE: Not applicable
SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should use positive pressure self-contained breathing apparatus.
UNUSUAL FIRE/EXPLOSION HAZARDS: None known
HAZARDOUS THERMAL DECOMP. PRODUCTS: None known
PROTECTION OF FIRE-FIGHTERS: Self-contained breathing apparatus and protective clothing

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: No stringent precautions.
ENVIRONMENTAL PRECAUTIONS: In case of spillage, vacuum or sweep into a carboy/container.
Wash area with soap and water.
METHOD OF CLEANING UP: Collect in sand and flush area with water.

EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY SYSTEM PROTECTION: None required when adequate ventilation available.
SKIN AND BODY PROTECTION: Uniform and apron
HAND PROTECTION: Rubber gloves
EYE PROTECTION: Safety goggles

STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Heat, flame and other sources of ignition
MATERIALS TO AVOID: Strong alkali, caustic acids and oxidizing agents
HAZARDOUS DECOMPOSITION PRODUCT: When heated over 150°C, will release oxides of nitrogen and carbon
HANDLING AND STORAGE

HANDLING: Take care while loading & unloading of un-palletized consignments.

STORAGE: Do not store the material under direct heat or sunlight.
Once the container is opened, ensure airtight closure after usage.
Store on pallets in a shaded/enclosed room.
Ensure good housekeeping and proper personal hygiene.
Keep the container tightly closed.
In the original sealed condition, product can be stored for at least one year.
Use the product within a week’s time once opened. This product is susceptible for microbial growth.
If this material gets chilled, it may become viscous solid.
Gentle warming (not exceed 35°C) with mixing should return the material to a clear liquid.
Store the material at 20-30°C. Product solidifies if prolong storage at < 10°C.

SUITABLE PACKING MATERIALS: HMHDPE carboys

TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:
- ORAL (LD50) (Rat): >3980 mg/kg
- DERMAL (LD50) Rabbit: >2150 mg/kg
- INHALATION (LC50): Not a hazard under normal conditions
- SKIN IRRITATION: Non-irritant
- EYE IRRITATION: Mild irritant
- SENSITIZATION: Not sensitizing
- PHOTOTOXICITY: Not phototoxic
- CHRONIC TOXICITY: None identified.
- MUTAGENICITY: Non-mutagenic
- CARCINOGENICITY: Not considered a carcinogen by OSHA, NTP or IARC

TRANSPORT INFORMATION

UN NUMBER: Not applicable

LAND ROAD / RAILWAY:
- ADR / RID CLASS: Chemicals N. O. S. (non regulated)
- ADR / RID ITEM #: Chemicals N. O. S. (non regulated)

INLAND WATERWAYS:
- IMDG CLASS: Chemicals N. O. S. (non regulated)

SEA:
- IMDG CLASS: Chemicals N. O. S. (non regulated)
- IMDG PAGE #: Chemicals N. O. S. (non regulated)

AIR:
- IATA-DGR CLASS: Chemicals N. O. S. (non regulated)
- NATIONAL TRANSPORT REGULATIONS: Chemicals N. O. S. (non regulated)
ECOLOGICAL INFORMATION

ECO-TOXICITY: Not eco-toxic

DISPOSAL CONSIDERATIONS

METHODS OF DISPOSAL: In accordance with local, federal, and state environmental regulations.

REGULATORY INFORMATION

EC - REGULATIONS: Not available

EC CLASSIFICATION: Not available

LABEL NAME: Polyquaternium 700

HAZARD SYMBOLS: Xn: Harmful

R-PHRASES: R22: Harmful if swallowed
          R36: Irritating to eyes

SAFETY PHRASES: S26: In case of eye contact, rinse immediately with plenty of water and seek medical advice

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