



MSDS

Material Safety Data Sheet
November 7, 2007

Section 01: Chemical Product Identification

Domestic Trade Name: FilteRx 5120TM

Export Trade Name: FilteRx 5120TM

Section 02: Information on Hazardous Ingredients

Non Hazardous Regulated Ingredients:

Cationic polymer blend in solution

Section 03: Hazards Identification:

Inhalation: Exposure to small amounts of spray during normal handling is not likely to cause harmful effects. Inhaling large amounts may cause irritation to mucous membranes and respiratory tract.

Eye Contact: Exposure to vapors or mist may cause mild to moderate irritation.

Skin Contact: May cause mild skin irritation. Prolonged or repeated contact may dry the skin.

Ingestion: Ingestion may cause irritation to the gastrointestinal tract.

Chronic: No chronic health effects have been reported for prolonged or repeated exposure to this product.

Section 04: First Aid Measures

Inhalation: If symptoms develop, immediately move individual to fresh air. Seek medical attention. If not breathing give artificial respiration. If breathing is difficult administer oxygen.

Eye Contact: If symptoms develop, immediately flush eyes with plenty of water for at least 15 minutes, seek medical attention.

Skin Contact: In case of contact flush exposed area with water for 15 minutes. Remove contaminated clothing and shoes. If irritation persists, seek medical attention.

Ingestion: If swallowed give plenty of water to drink. Seek medical attention. Do not induce vomiting. Never give anything to an unconscious person.

Section 05: Fire Fighting Measures

Flash Point: Greater than 100° F.

Explosive Limits: N/A

Auto Ignition Temperature: No data.

Fire Fighting Media: This product will not burn unless the water is boiled away. The remaining organics may be ignitable. Use water, CO₂, foam, or dry chemicals suitable for class B fires. Use water to cool containers exposed to fire.

Special Fire Fighting Procedures: Fire fighter should wear full protective equipment, including self-contained breathing apparatus.

Fire/Explosion Hazards: May evolve NO_x under fire conditions.

NFPA Hazard Codes - Health/Flammability/Reactivity; 1, 0, 1, 0.

HMIS Hazard Codes - Health/Flammability/Reactivity; 1, 0, 1, 0.

Section 06: Accidental Release Measures

Land Spill: Wearing recommended protective clothing and equipment, dike spill with soil, sand, or compatible commercial absorbent. Remove remaining liquid with a pump, vacuum truck, or absorb liquid in sand or commercial absorbent. Place waste in approved containers for disposal. Dispose waste according to Federal, State, and local regulations.

Water Spill: Wear protective clothing and equipment. Stop flow. Dike contaminated water and remove for disposal and/or treatment. Notify proper authorities and all downstream users if possible.

Section 07: Handling and Storage

Store in a cool dry place away from incompatible material. Do not store in direct sunlight. Store above freezing point. Avoid breathing vapors or mist. Use only in well ventilated areas. Wear recommended protective equipment. This product may be slippery when wet.

Section 08: Exposure Control/Personal Protection

Ventilation: Use with adequate ventilation.

Respiratory Protection: For exposure above the OSHA-PEL or ACGIH-TLV or if use causes misting, wearing a NIOSH-approved air supplied respirator is advised in the absence of proper environmental control. OSHA regulations also permit other NIOSH/MSHA respirators (negative pressure type) under specific conditions. Engineering or administrative controls should be implemented.

Eye Protection: Wear chemical splash goggles in compliance with OSHA regulations.

Skin Protection: Use OSHA Approved Neoprene Gloves, Boots, and Apron.

Section 09: Physical and Chemical Properties

Boiling Point: No data.

Melting/Freezing Point: 29° F

Appearance: Straw colored liquid.

Density: Approximately 8.92 – 9.01 lbs. / gallon

Specific Gravity: 1.07 – 1.08 lbs. / gal.

Percentage Volatile: > 50%

Viscosity: 2000 cps

pH of Solution: 5.5 – 6.5

Odor: None

Water Solubility: 100%

Section 10: Stability and Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatible Materials: Avoid strong oxidizers (chlorine, peroxides, chromates, nitric acid, perchlorates, concentrated oxygen, and permanganates) which can result in exothermic reactions and the release of toxic fumes.

Hazardous Decomposition Products: Under fire conditions, NO_x, HCl, and CO gas may evolve.

Section 11: Disposal Considerations

If this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resources Conservation and Recovery Act (RCRA) 40 CFR 261, since it does not have the characteristics of Subpart C, nor is it listed under subpart D.

Section 12: Toxicological Information

Sensitizing: Not sensitizing

Chronic Toxicity: NOEL/oral/rat/90 days = 500 mg/kg. Two year feeding studies on large and small laboratory specimens did not reveal any adverse health effects.

Other Information: Not a mutagenic in Ames Test. Not a mutagenic in micronucleus test on small laboratory specimens. Not teratogenic, NOEL = 175 mg/kg.

Oral (acute): LD₅₀/oral/rat/2000 mg/kg.

Dermal (acute): This product is not considered toxic based on laboratory specimen testing.

Inhalation (acute): Product is not expected to be toxic by inhalation.

Skin (irritation): Product may cause irritation with susceptible persons.

Eyes (irritation): Testing conducted on laboratory specimens showed minor transient irritation that cleared within days.

Section 13: Ecological Information

This material is water-soluble. No specific environmental or aquatic data found for this material.

Section 14: Transport Information

DOT Information – 49 CFR 172:101

DOT Description: This product is not regulated during transportation.

NOS Component: NA

Reportable Quantity (RQ): NA

Section 15: Regulatory Information

US Federal Information

TSCA (Toxic Substances Control Act): All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

CERCLA RQ (reportable quantity) 40 CFR 302.4(a): None listed.

CERCLA RQ (reportable quantity) 40 CFR 302.4(b): None listed.

SARA Section 302 (40 CFR 355): This product does not contain ingredients listed in Appendix A and B as an extremely hazardous substance.

SARA Section 311 & 312 Notification (40CFR 370): Fire: No, Sudden release of pressure: No, Reactive: No, Acute health: Yes, Chronic health: No

SARA Section 313 (40 CFR 372): This Product Does Not Contain Toxic Chemicals Subject to the Reporting Requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

State Regulations

California Proposition 65 Safe Drinking Water and Toxins Enforcement Act, 1968: This product does not contain materials known to the state of California to cause cancer.

Canadian Regulations

WHMIS Controlled product: Yes

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