

SDS

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **FM-7034**
CHEMICAL FAMILY: Polyacrylamide

COMPANY IDENTIFICATION:

FIFE WATER SERVICES
PO BOX 968
CHESTERFIELD, MO 63006

TEL: (636) 281-4580
FAX: (636) 281-4490

EMERGENCY PHONE NUMBER USA:

1 800 424 9300 (CHEMTREC)

HMIS CODE

Health 2

Flammability 0

Reactivity 1

2. HAZARDS IDENTIFICATION

Emergency overview



Caution - Slippery when wet!
Causes serious eye irritation.
Causes skin irritation.

Contains petroleum distillates and prolonged contact with mists may cause skin, eye and respiratory tract irritation. Continued overexposure may cause headache and dizziness. Ingestion may cause lung complications. Vapors may cause drowsiness and dizziness. Repeated or prolonged exposure may cause dermatitis, due to degreasing properties of the product

State of matter: liquid

Color: cream, almost white

Odor: mineral oil-like

Potential health effects

Primary routes of exposure:

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Sensitization:

There is no evidence of a skin-sensitizing potential.

Chronic toxicity:

Carcinogenicity: None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP, OSHA or ACGIH as a carcinogen.

2. HAZARDS IDENTIFICATION cont.

Reproductive toxicity: No data for product. No effects anticipated

Genotoxicity: No data was available concerning mutagenic activity. The chemical structure does not suggest a specific alert for such an effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Signs and symptoms of overexposure:
Eye irritation, skin irritation, CNS depression

Potential environmental effects

Aquatic toxicity:
Acutely harmful for aquatic organisms.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Trade Secret

4. FIRST-AID MEASURES

General advice:
Immediately remove contaminated clothing.

If inhaled:
If difficulties occur after vapor/aerosol has been inhaled, remove to fresh air and seek medical attention.

If on skin:
Wash affected areas thoroughly with soap and water. Seek medical attention.

If in eyes:
Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

If swallowed:
Immediately rinse mouth and then drink plenty of water, do not induce vomiting, seek medical attention. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Note to physician
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. FIRE-FIGHTING MEASURES

Flash point: > 93 °C
Flammability: not highly flammable
Self-ignition temperature: not self-igniting

Suitable extinguishing media:

Dry powder, foam, water spray.

Unsuitable extinguishing media for safety reasons:

Water jet

Additional information:

If water is used, restrict pedestrian and vehicular traffic in areas where slip hazard may exist.

Hazards during fire-fighting:

Harmful vapors Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire. Spilled product is slippery underfoot. Very slippery when wet.

Protective equipment for fire-fighting:

Wear a self-contained breathing apparatus.

Further information:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Use personal protective clothing. Keep people away and stay on the upwind side.

Environmental precautions:

Do not discharge into drains/surface waters/groundwater.

Cleanup:

Spills should be contained, solidified, and placed in suitable containers for disposal.

Further information:

High risk of slipping due to leakage/spillage of product.

7. HANDLING AND STORAGE

Handling

General advice:

Keep away from sources of ignition -No smoking.

Protection against fire and explosion:

Take precautionary measures against static discharges.

7. HANDLING AND STORAGE CONT.

Storage

General advice:

Keep container tightly closed and dry; store in a cool place.

Storage stability:

Avoid extreme heat. Avoid freezing.

Temperature tolerance

Avoid freezing.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with workplace control parameters

Distillates (petroleum),
Hydrotreated light ACGIH

TWA value 200 mg/m³ Non-aerosol (total hydrocarbon vapor);
Application restricted to conditions in which there are negligible
aerosol exposures.

Skin Designation Non-aerosol (total hydrocarbon vapor); the
substance can be absorbed through the skin.

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles) and face shield.

Body protection:

Impermeable protective clothing

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Emulsion

Odor: mineral oil-like

Color: Cream, almost white

pH value: approx. 4

Density: 1.0 g/cm³ (20 C)

Viscosity, dynamic: 1,000 – 1,500 mPa.

% volatiles: 23.9%

Solubility in water: dispersible

Other Information: If necessary, information on other physical and chemical parameters is indicated in this section.

10. STABILITY AND REACTIVITY

Conditions to avoid:

Avoid extreme temperatures. Avoid freezing. Avoid all sources of ignition: heat, sparks, open-flame.

Substances to avoid:

Reactive chemicals

Hazardous reactions:

No hazardous reactions when stored and handled according to instructions. The product is chemically stable.

Decomposition products:

No hazardous decomposition products if stored and handled as prescribed/indicated.

Corrosion to metals:

No corrosive effect on metal.

Oxidizing properties:

Not fire-propagating

11. TOXICOLOGICAL INFORMATION

Acute toxicity Oral:

Type of value: LD50 Species: rat, value: > 2,000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

Irritation / corrosion**Skin:**

Species: rabbit Result: Irritant. Method: OECD Guideline 404

Eye:

Species: rabbit Result: Irritant.

Aspiration Hazard:

No aspiration hazard expected.

Other Information:

The product has not been tested. The statements on toxicology have been derived from products of a similar structure and composition.

12. ECOLOGICAL INFORMATION

Aquatic toxicity

Assessment of aquatic toxicity: The hydrolysis products are not acutely harmful to aquatic organisms. Acute effects on aquatic organisms are due to the cationic charge of the polymer, which is quickly neutralized in natural water courses by irreversible adsorption onto particles, hydrolysis and dissolved organic carbon. Fish toxicity and aquatic toxicity are drastically reduced by rapid irreversible adsorption onto suspended and/or dissolved organic matter.

Fish:

Acute: *Oncorhynchus mykiss*/LC50 (96 h): 10 - 100 mg/l (under static conditions in the presence of 10 mg/L humic acid) The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Aquatic invertebrates

Acute: *daphnia*/EC50 (48 h): 10 -100 mg/l (under static conditions in the presence of 10 mg/L humic acid)

13. DISPOSAL CONSIDERATIONS

Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. Do not discharge into drains/surface waters/groundwater.

Container disposal:

Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. Dispose of in accordance with national, state and local regulations.

RCRA:

Not a hazardous waste under RCRA (40 CFR 261).

14. TRANSPORT INFORMATION

Land transport

USDOT Not classified as a dangerous good under transport regulations

Sea transport

IMDG Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO Not classified as a dangerous good under transport regulations

15. REGULATORY INFORMATION

Federal Regulations Registration status:

Chemical TSCA, US released / listed **OSHA hazard category:** Chronic target organ effects reported;
ACGIH TLV established

EPCRA 311/312 (Hazard categories): Acute; Chronic

State regulations

<u>State RTK</u>	<u>CAS Number</u>	<u>Chemical name</u>
MA, NJ, PA	124-04-9	adipic acid
MA, NJ, PA	64742-47-8	Distillates (petroleum), hydrotreated light

16. OTHER INFORMATION

NFPA Hazard codes:

Health: 2 Fire: 1 Reactivity: 0 Special:

HMIS III rating

Health: 2 Flammability: 1 Physical hazard: 0

MSDS Prepared by: JRD

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