



SAFETY DATA SHEET

FBS 10909

I. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FBS 10909
CHEMICAL NAME: Cationic water-soluble polymer in emulsion
PRODUCT USE: Flocculation/Dewatering agent
SUPPLIER: Fort Bend Services Inc. Tel: 281-261-5199
13303 Redfish Lane Tel: 800-933-3678
Stafford, TX 77477 USA
EMERGENCY TELEPHONE:
CHEMTREC: 1-800-424-9300
IDENTIFICATION NO:

II. HAZARDS IDENTIFICATION

Emergency overview

Caution – Slippery when wet!
May cause eye and skin irritation.
Use with local exhaust ventilation. Wear protective clothing.
Eye wash fountains and safety showers must be readily accessible.

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 liquefied gases.

Chronic toxicity:

Carcinogenicity:

None of the components in this product are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

Reproductive toxicity:

No data available. No effects anticipated.

Teratogenicity:

No data available concerning teratogenic effects.

Genotoxicity:

The chemical structure does not suggest a specific alert for such an effect.

III. COMPOSITION/INFORMATION ON INGREDIENTS

Cationic water-soluble polymer in emulsion. Regulated components: None

IV. FIRST AID MEASURES

Note to physician:

Treatment: Treat according to symptoms.

INHALATION:

Remove to fresh air. No hazards which require special first aid measures.

INGESTION:

Rinse mouth with water. Do not induce vomiting. Product is not considered toxic based on laboratory studies.

SKIN CONTACT:

Wash affected areas thoroughly with soap and water. Seek medical attention if irritation persists.

EYE CONTACT:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention if irritation persists.

V. FIRE-FIGHTING MEASURES

Flash point	not applicable
Flammability	not highly flammable
Self-ignition temperature	not self-igniting

SUITABLE EXTINGUISHING MEDIA:

Dry powder, foam, carbon dioxide, water, water spray

ADDITIONAL INFORMATION:

Avoid use of water jet. If water is used, restrict pedestrian and vehicular traffic in areas where slip hazard may exist. Contaminated extinguishing water must be disposed of in accordance with official regulations.

HAZARDS DURING FIRE-FIGHTING:

Evolution of fumes/fog.

Thermal decomposition may produce hydrogen chloride gas, nitrogen oxides, carbon oxides.

Spilled product is slippery underfoot. Extremely slippery when wet.

PROTECTIVE EQUIPMENT FOR FIRE-FIGHTING:

Wear a self-contained breathing apparatus.

VI. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Use personal protective clothing.

ENVIRONMENTAL PRECAUTIONS:

Do not discharge into drains/surface waters/groundwater.

SPILL CLEAN UP METHODS:

Do not flush with water. Dike spill. Large spills clean up promptly by scoop or vacuum. Soak up residual material with an inert absorbent material. Keep in suitable, closed container(s) for disposal in accordance with local, state and federal regulations.

VII. HANDLING AND STORAGE

HANDLING:

Avoid contact with skin and eyes. Ensure there is adequate local/mechanical exhaust. Do not smoke.

Handle in accordance with good industrial hygiene and safety practices.

STORAGE:

Keep container tightly closed and dry; store in a cool and dry place (0 - 30°C). Avoid wet, damp or humid conditions, temperature extremes and ignition sources. Freezing will affect the physical condition and may damage the product.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



RESPIRATORY EQUIPMENT:

Not required except in case of aerosol formation or inadequate ventilation.

HAND PROTECTION:

Rubber gloves

EYE PROTECTION:

Safety glasses with side-shields; do not wear contact lenses where product is used.

SKIN PROTECTION:

Protective clothing

HYGIENE MEASURES:

Handle in accordance with good industrial hygiene and safety practice

IX. PHYSICAL AND CHEMICAL PROPERTIES

FORM:

Viscous liquid

ODOR:

Aliphatic

COLOR:

Milky white

pH:

3 - 7 (5 g/l)

SPECIFIC GRAVITY:

1.04

MELTING POINT:

Not applicable

FLASH POINT:

Does not flash

VAPOR PRESSURE (mmHg):

0,002 @ 20°C

SOLUBILITY IN WATER:

Soluble, solubility limited by viscosity

BULK VISCOSITY:

1200 (cps)

X. STABILITY AND REACTIVITY

CONDITIONS TO AVOID:

Avoid extreme temperatures.

SUBSTANCES TO AVOID:

Oxidizing agents may cause exothermic reactions.

HAZARDOUS REACTIONS:

Stable under normal conditions. No hazardous reactions known.

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition may produce hydrogen chloride gas, nitrogen oxides, carbon oxides.

CORROSION TO METALS:

No corrosive effect on metals

OXIDIZING PROPERTIES:

Not fire-propagating

XI. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

ORAL:

Type of value: LD50
Species: rat
Value: >5,000 mg/kg

SKIN: The results of testing on rabbits showed this material to be non-toxic even at high dose levels.
INHALATION: This product is not expected to be toxic by inhalation.

IRRITATION/CORROSION

SKIN: May cause skin irritation with susceptible persons
EYE: May cause eye irritation with susceptible persons
SENSITIZATION: Not sensitizing

CHRONIC TOXICITY: A two year feeding study on rats did not reveal adverse health effects.
A one year feeding study on dogs did not reveal adverse health effects.
Prolonged skin contact may defat the skin and produce dermatitis.

XII. ECOLOGICAL INFORMATION

Fish

Acute:
LC50 (96): 10 -100 mg/L OECD 203

Aquatic invertebrates

Acute:
Daphnia/EC50 (48 h): >50 mg/L OECD 202

Algae: Algal inhibition tests are not appropriate. The flocculation characteristics of the product interfere directly in the test medium preventing homogenous distribution which invalidates the test.

Environmental Fate

Hydrolysis: At natural pHs (>6) the polymer degrades due to hydrolysis to more than 70% in 28 days. The hydrolysis products are not harmful to aquatic organisms.

Bioaccumulation: Does not bioaccumulate

Other Information: The effects of this product in aquatic organisms are rapidly and significantly mitigated by the presence of dissolved organic carbon in the aquatic environment.

XIII. DISPOSAL CONSIDERATIONS

WASTE MANAGEMENT:

Dispose of in accordance with national, state and local regulations.

CONTAINER DISPOSAL:

Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

RCRA:

Not a hazardous waste under RCRA (40 CFR 261)

XIV. TRANSPORT INFORMATION

LAND TRANSPORT:

US DOT 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

XV. REGULATORY INFORMATION

US SARA REPORTING REQUIREMENTS:

SARA TITLE III SECTIONS:

STATE REGULATIONS:

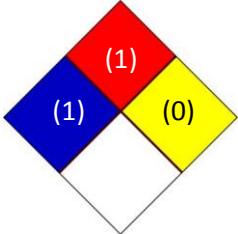
TSCA: All components are listed or exempt from listing

CANADA (DSL): All components are listed or exempt from listing

XVI. OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS) NATIONAL FIRE PROTECTION ASSN (NFPA)

HEALTH	1
FLAMMABILITY	1
PHYSICAL	0
PERSONAL PROTECTION	



GENERAL INFORMATION:

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