



Fort Bend Services, Inc.
Water & Waste Treatment Specialists

SAFETY DATA SHEET

FBS 7602

I. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FBS 7602

CHEMICAL NAME: Cationic water-soluble polymer in emulsion

PRODUCT USE: Flocculation/Dewatering agent

SUPPLIER: Fort Bend Services Inc.

13303 Redfish Lane

Stafford, TX 77477 USA

Tel: 281-261-5199

Tel: 800-933-3678

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

CAS Number	Content (W/W)	Chemical Name
64742-47-8	20 – 30%	Distillates, petroleum hydrotreated light
127087-87-0	< 2.5%	Poly(oxy-1,2-ethanediyl), a-(4-nonylphenyl)-w-hydroxy-, branched

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. Seek medical attention immediately.

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 immediately.

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:

Spilled product is slippery underfoot. Extremely slippery when wet.

Thermal decomposition may produce: hydrogen chloride gas, nitrogen oxides, carbon oxides, ammonia

Hydrogen cyanide may be produced in the event of combustion in an oxygen deficient atmosphere.

PROTECTIVE EQUIPMENT FOR FIRE-FIGHTING:

Wear a self-contained breathing apparatus and protective suit.

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 and labeled 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

COMPONENTS WITH OCCUPATIONAL EXPOSURE LIMITS:

Distillates (petroleum), hydrotreated light	ACGIH	TWA value 200 mg/m ³ 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.
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ENGINEERING CONTROLS: Ensure adequate ventilation. Use local exhaust if misting occurs. Natural ventilation is adequate in the absence of mists.

PROTECTIVE EQUIPMENT:



RESPIRATORY EQUIPMENT:

Not required except in case of aerosol formation.

HAND PROTECTION:

PVC or plastic material 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:	2.5 - 6 (5 g/l)
SPECIFIC GRAVITY:	1.05
FREEZING POINT:	< 5° C
BOILING POINT:	> 100°C
FLASH POINT:	Not applicable
VAPOR PRESSURE:	2.3 kPa @ 20°C
SOLUBILITY IN WATER:	Soluble, solubility limited by viscosity
VISCOSITY:	> 20.5 mm ² /s @ 40° C

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, ammonia.

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

DERMAL:

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

INHALATION: This product is not expected to be toxic by inhalation.

IRRITATION/CORROSION

SKIN: Slightly irritating

EYE: May cause eye irritation with susceptible persons

SENSITIZATION: Not sensitizing

Relevant information on the hazardous components:

Distillates, petroleum hydrotreated light

Acute oral toxicity:	LD50/oral/rat	> 5000 mg/kg OECD 401
Acute dermal toxicity:	LD50/dermal/rabbit	> 5000 mg/kg OECD 402
Acute inhalation toxicity:	LC50/inhalation/4 hr/rat	4951 mg/m ³ OECD 403
Skin corrosion/irritation:	Not irritating OECD 404	
Eye corrosion/irritation:	Not irritating OECD 405	
Sensitization:	Not expected to be sensitizing	

Poly(oxy-1,2-ethanediyl), a-(4-nonylphenyl)-w-hydroxy-, branched

Acute oral toxicity:	LD50/oral/rat	960 - 3980 mg/kg
Acute dermal toxicity:	LD50/dermal/rabbit	2000 - 2991 mg/kg
Acute inhalation toxicity:	LC50/inhalation/4 hr/rat	1.5 mg/L
Skin corrosion/irritation:	May cause slight irritation	
Eye corrosion/irritation:	Risk of serious damage to eyes	
Sensitization:	Did not cause allergic skin reactions when tested in humans	

XII. ECOLOGICAL INFORMATION

Fish

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

Aquatic invertebrates

Acute:
Daphnia/EC50 (48 h): 10 -100 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.

Relevant information on the hazardous components:

Distillates, petroleum, hydrotreated light

Acute toxicity to fish:	LC50/Oncorhynchus mykiss/96 hr	>1000 mg/L
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Acute toxicity to invertebrates:	EC50/Daphnia magna/48 hr	>1000 mg/L
Acute toxicity to algae:	ICO/Pseudokirchneriella subcapitata/72 hr	>1000 mg/L
Chronic toxicity to fish:	NOEC/Oncorhynchus mykiss/28 day	>1000 mg/L
Chronic toxicity to invertebrates:	NOEC/Daphnia magna/21 day	>1000 mg/L
Toxicity to microorganisms:	EC50/Tetrahymena pyriformis/48 hr	>1000 mg/L

Poly(oxy-1,2-ethanediyl), a-(4-nonylphenyl)-w-hydroxy-, branched

Acute toxicity to fish:	LC50/Pimephales promelas/96 hr	3.8 – 6.2 mg/L
Acute toxicity to invertebrates:	EC50/Daphnia magna/48 hr	9.3 – 21.4 mg/L
Acute toxicity to algae:	No data available	
Chronic toxicity to fish:	No data available	
Chronic toxicity to invertebrates:	No data available	
Toxicity to microorganisms:	EC50/activated sludge/16 hr	>1000 mg/L

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

TSCA: Listed

CANADA (DSL): Listed

OSHA HAZARD CATEGORY: This material is classified as not hazardous under OSHA regulations.

EPCRA 311/312: Not hazardous

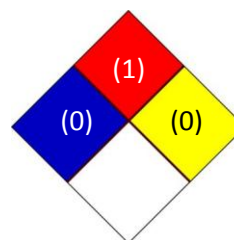
CALIFORNIA PROP. 65: The product contains the following substance(s) known to the State of California to cause cancer: Acrylamide

XVI. OTHER INFORMATION

HAZARDOUS MATERIAL INFORMATION SYSTEM (HMIS)

NATIONAL FIRE PROTECTION ASSN (NFPA)

HEALTH	0
FLAMMABILITY	1
PHYSICAL	0
PERSONAL PROTECTION	



GENERAL INFORMATION:

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