



SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: ClearPoint Chemicals, LLC
18300 Scenic Highway 98
Suite F
Fairhope, AL 36532

24 hr. EMERGENCY CONTACT (CHEMTREC) US Tel: 1- 800 - 424-9300

PRODUCT NAME: CFR-931 LSC
PRODUCT USE/CLASS: Friction Reducer
SDS REVISION DATE: 11/04/2018

2. HAZARD IDENTIFICATION

INHALATION: If heated, vapors or mist may cause respiratory tract irritation.

SKIN: Not expected to cause more than slight skin irritation.

EYE: Not expected to cause more than slight eye irritation.

INGESTION: May produce a laxative effect.

CHRONIC INFORMATION: Repeated or prolonged contact with spray or mist may produce chronic eye irritation and severe skin irritation. Repeated skin exposure can produce local skin destruction or dermatitis.

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	EXPOSURE LIMITS	CAS#	% BY WEIGHT
Distillates (petroleum), hydrotreated light	None established	64742-47-8	40 - 70 %
Cationic Polyacrylamide Copolymer	None established	Proprietary	25 - 60 %

*Composition/specific chemical identities are withheld as a trade secret under the provisions of OSHA hazard communication standard 29 CFR 1910.1200

4. FIRST AID MEASURES

INHALATION: Remove source of contamination or move victim to fresh air. Emergency oxygen can be beneficial in circumstances where a chemical exposure interferes with oxygenation. Special training of first aid providers is required. If breathing has stopped, trained personnel should begin artificial respiration immediately. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation (CPR) immediately. Obtain medical attention immediately.

SKIN CONTACT: Immediately flush contact area with lukewarm, gently flowing water for 30 minutes while removing contaminated clothing, shoes and leather goods. If breathing has stopped, trained personnel should begin artificial respiration immediately. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation (CPR) immediately. Obtain medical attention if symptoms arise or persist.

EYE CONTACT: Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while holding eyelid(s) open. If a contact lens is present, DO NOT delay irrigation or attempt to remove the lens until flushing is done. Care should be taken not to rinse contaminated water into the unaffected eye or onto the face. Seek medical attention immediately.

CFR-931 LSC

SAFETY DATA SHEET

INGESTION: DO NOT induce vomiting unless directed to by medical personnel. If vomiting occurs spontaneously, keep head below hips to prevent aspiration into lungs. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing. If breathing has stopped, trained personnel should begin artificial respiration immediately. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation (CPR) immediately. Obtain medical attention immediately

5. FIRE FIGHTING MEASURES

FLASH POINT: >96 C (>205 F)
(PMCC)

LOWER EXPLOSIVE LIMIT: N.D.
UPPER EXPLOSIVE LIMIT: N.D.

AUTOIGNITION TEMPERATURE: N.D.

EXTINGUISHING MEDIA: CO₂ DRY CHEMICAL FOAM

SPECIAL FIRE FIGHTING PROCEDURES: Containers can build up pressure if exposed to heat (fire). As in any fire, wear a self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Apply alcohol-type foam or all purpose foam manufacturers recommended techniques for large fires. Use carbon dioxide or dry chemical for small fires. Use water spray to keep containers cool.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent spilled material from entering environment. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. (See exposure controls / personal protection section) Spilled material should be disposed of according to applicable regulations.

7. HANDLING AND STORAGE

HANDLING: Handle all chemicals with care. Avoid static buildup which may become a source of ignition.

STORAGE: Keep away from heat, sparks, and flames. Keep container closed when not in use. Store in a cool, dry, well ventilated place away from incompatible materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their exposure limits.

RESPIRATORY PROTECTION: Use a NIOSH/MSHA approved air purifying respirator with an organic/amine vapor cartridge when airborne concentrations are expected to exceed exposure limits. Protection by air purifying respirators is limited.

SKIN PROTECTION: When contact is likely wear chemical resistant gloves and boots.

EYE PROTECTION: Wear safety glasses with side shields or goggles.

OTHER PROTECTIVE EQUIPMENT: Emergency eye wash stations and deluge showers should be available in the work area.

HYGIENIC PRACTICES: Wash hands before eating. Use only with adequate ventilation. Remove contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Yellow to Tan

ODOR: Slight Characteristic

CFR-931 LSC

SAFETY DATA SHEET

VAPOR DENSITY: N.D.

VAPOR PRESSURE: N.D.

PHYSICAL STATE: Liquid/Suspension

SOLUBILITY IN WATER: Insoluble

VISCOSITY (cP @ 25 C): 125 - 350

SPECIFIC GRAVITY (@ 25C): 0.95 - 1.05

DENSITY (lbs/gal): 7.92 - 8.76

10. STABILITY AND REACTIVITY DATA

CONDITIONS TO AVOID: Avoid temperature extremes. Excessive heat causes the vapor pressure to increase rapidly.

INCOMPATIBILITY: Avoid contact with strong acids and oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur under normal use and storage conditions.

CHEMICAL STABILITY: This product is stable under normal storage conditions.

11. TOXICOLOGICAL INFORMATION

ORAL: Product is classified as moderately irritating to the digestive tract.

DERMAL: Product is classified as moderately irritating to the skin.

INHALATION: Product is classified as moderately irritating to the eyes.

12. ECOLOGICAL INFORMATION

ECOTOXICITY: No product information is available.

CHEMICAL FATE INFORMATION: No product information is available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Consult local, state, or federal regulatory agencies for acceptable disposal procedures and disposal locations. Disposal in streams or sewers may be prohibited by federal, state, and local regulations.

RCRA STATUS: None

14. TRANSPORTATION INFORMATION

***(NON-BULK SHIPMENTS)**

D.O.T. PROPER SHIPPING NAME: Not Regulated

D.O.T. TECHNICAL NAME: N/A

D.O.T. HAZARD CLASS: N/A

D.O.T. UN NUMBER: N/A

HAZARD SUBCLASS: N/A

PACKING GROUP: N/A

RESP. GUIDE PAGE: N/A

***(BULK SHIPMENTS)**

D.O.T. PROPER SHIPPING NAME: Not Regulated

D.O.T. TECHNICAL NAME: N/A

CFR-931 LSC

SAFETY DATA SHEET

D.O.T. HAZARD CLASS: N/A
D.O.T. UN NUMBER: N/A

HAZARD SUBCLASS: N/A
PACKING GROUP: N/A

RESP. GUIDE PAGE: N/A

IATA PROPER SHIPPING NAME: Not Regulated

IATA TECHNICAL NAME: N/A
IATA HAZARD CLASS: N/A
IATA UN NUMBER: N/A

HAZARD SUBCLASS: N/A
PACKING GROUP: N/A

RESP. GUIDE PAGE: N/A

IMDG PROPER SHIPPING NAME: Not Regulated

IMDG TECHNICAL NAME: N/A
IMDG HAZARD CLASS: N/A
IMDG UN NUMBER: N/A

HAZARD SUBCLASS: N/A
PACKING GROUP: N/A

EmS No.: N/A

15. REGULATORY INFORMATION

CERCLA – SARA HAZARD CATEGORY:

SECTION 311/312: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

NONE

SARA SECTION 313: This product does not contain substances 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:

<u>COMPONENT</u>	<u>CAS#</u>	<u>% BY WEIGHT</u>
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TSCA STATUS:

All components of this product are listed on the Toxic Substance Control Act Inventory or are excluded from the listing requirements.

INTERNATIONAL REGULATIONS:

CANADIAN WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

CANADIAN WHMIS CLASS: Not controlled

CANADIAN ENVIRONMENTAL PROTECTION ACT:

All components of this product are listed on the Canadian Domestic Substance List (DSL).

16. OTHER INFORMATION

HMIS RATING – HEALTH: 0 FLAMMABILITY: 1 REACTIVITY: 0 PERSONAL PROTECTIVE RATING: B

VERSION NUMBER: 1

REVISION INFORMARTION: N/A

LEGEND: N.A. – NOT APPLICABLE, N.E. - NOT ESTABLISHED, N.D. – NOT DETERMINED

CFR-931 LSC

SAFETY DATA SHEET

THIS PRODUCT'S HEALTH AND SAFETY INFORMATION IS PROVIDED TO ASSIST OUR CUSTOMERS IN ASSESSING COMPLIANCE WITH HEALTH, SAFETY AND ENVIRONMENTAL REGULATIONS. THE INFORMATION CONTAINED HEREIN IS BASED ON DATA AVAILABLE TO US, AND IS BELIEVED TO BE ACCURATE, ALTHOUGH NO GUARANTEE OR WARRANTY IS PROVIDED OR IMPLIED BY THE COMPANY IN THIS RESPECT. SINCE THE USE OF THIS PRODUCT IS WITHIN THE EXCLUSIVE CONTROL OF THE USER, IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE CONDITIONS OF SAFE USE. SUCH CONDITIONS MUST COMPLY WITH ALL GOVERNMENTAL REGULATIONS.