

# SAFETY DATA SHEET

SDS DATE: 06/14/2022

FORMATION L

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FORMATION L

DISTRIBUTOR: Exacto Inc.  
ADDRESS: 200 Old Factory Road. Sharon WI 53585  
PHONE: (262) 456-5200

EMERGENCY CHEMTREC PHONE: US & Canada: 1-800-424-9300  
CHEMICAL NAME: Proprietary mixture  
CHEMICAL FAMILY: Anionic polyacrylamide polymer emulsion  
CHEMICAL FORMULA: Mixture

PRODUCT USE: General ground application

SECTION 1 NOTE: None

## SECTION 2: HAZARDS

### GHS Ratings:

Skin corrosion/ irritation

Toxicity Categories:  
Category 2



Signal Word: **WARNING**

### GHS Hazards

H315 Causes skin irritation.

SLIPPERY WHEN WET  
Do Not Allow to Freeze

### GHS Precautions

P102 Keep out of reach of children.  
P103 Read label before use.  
P233 Keep container tightly closed.  
P234 Keep only in original container.  
P260 Do not breathe vapors or spray.  
P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves, protective clothing, eye protection and face protection.  
P362 Take off contaminated clothing and wash it before reuse.  
P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P302+353 IF ON SKIN: Wash with plenty of soap and water.  
P304+340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do then continue rinsing cautiously.  
P332+313 If skin irritation occurs: Get medical advice or attention.  
P362 Take off contaminated clothing and wash before use.

## SECTION 3: INFORMATION ON COMPONENTS

### INGREDIENT

### CAS NO.

### % WT

This product contains substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations. This product is a proprietary blend. In accordance with paragraph (i) of § 1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

**NOTE:** Product does NOT contain any pesticides or pest control agents.

**SECTION 3 NOTES:** These specific chemical identities and or exact percentage (concentration) of composition have been withheld as a trade secret.

### CARCINOGENICITY

OSHA: No      ACGIH: No      NTP: No      IARC: No      OTHER: No

**SECTION 4: FIRST AID MEASURES**

*Have the product container with you when calling a poison control center or doctor, or going for treatment.*

**General advice:** First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present, after the first 5 minutes, then continue cautiously rinsing eye for several minutes.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing and wash it before reuse. Wash skin with plenty of soap and water. If skin irritation occurs: Get medical advice or attention.

**IF SWALLOWED:** Unless advised otherwise by a poison control center or doctor, have person rinse mouth with water, if able. Do not give anything by mouth to an unconscious person.

**IF INHALED:** If breathing is difficult, remove person to fresh air and keep at rest in a position comfortable for breathing. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth to mouth if possible.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:**

**SECTION 4 NOTES:** None

**SECTION 5: FIRE FIGHTING MEASURES**

**NFPA HAZARD CLASSIFICATION**

**HEALTH:** 1      **FLAMMABILITY:** 1      **REACTIVITY:** 0      **OTHER:** -

**IN CASE OF FIRE:** Use Foam, Dry Chemical, CO2, Water Spray to extinguish.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use self-contained breathing apparatus with fighting any fire in an enclosed area.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** May be ignited by heat, sparks or flames. Vapors may travel to a source of ignition and flash back. Containers may explode in heat of fire.

**HAZARDOUS DECOMPOSITION PRODUCTS:** During combustion, oxides of carbon.

**SECTION 5 NOTES:** None

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**ACCIDENTAL RELEASE MEASURES: SLIPPERY WHEN WET.** Surround and absorb all spills. Material should be collected and disposed in proper manner. Dike the area to prevent spill from spreading. Soak up spill with a suitable absorbent such as clay, sawdust or kitty litter. Flush spill area with water. Prevent liquid entering sewers. If slipperiness remains apply more dry-sweeping compound. Sweep up absorbed material and place in a chemical waste container for disposal. Spray area with water until no slipperiness remains. Wear suitable protective equipment.

**SECTION 6 NOTES:** **Slippery when wet.** Sweep up material thoroughly. Flush spill area thoroughly with water until no slipperiness remains. Wear suitable protective equipment.

**SECTION 7: HANDLING AND STORAGE**

**HANDLING** Keep out of reach of children. Read label before use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse. Wear protective gloves, protective clothing, eye protection and face protection.

**STORAGE:** Store in a cool well-ventilated place. Keep in original container tightly closed. Do not reuse empty container. Do not store with food, feed, or other material to be used or consumed by humans or animals. Do not contaminate water supplies. STORE BETWEEN 40° AND 90° F. Do Not Freeze.

**SECTION 7 NOTES:** None

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## SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

	OSHA		ACGIH		NIOSH	
	PEL	STEL	PEL	STEL	PEL	STEL
Petroleum distillate hydrotreated 64742-47-8	500ppm	120 mg/m <sup>3</sup>				

**HMIS= B**

- VENTILATION:** Normal room ventilation (mechanical) or outdoor use should be satisfactory.
- RESPIRATORY PROTECTION:** Wear a NIOSH/OSHA approved respirator, approved for use with propionic acid, if necessary.
- EYE PROTECTION:** Safety glasses.
- SKIN PROTECTION:** Wear protective gloves, long-sleeved shirts and pants.
- OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Eye wash and safety shower should be easily accessible.
- WORK HYGIENIC PRACTICES:** Wash thoroughly with soap and water after handling product and before eating, drinking, or using tobacco products. Clean affected clothing, shoes, and protective equipment before reuse.
- EXPOSURE GUIDELINES:** If exposed, see section 4 for acute exposure first aid.
- SECTION 8 NOTES:** None

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- |                                   |                            |  |   |
|-----------------------------------|----------------------------|--|---|
| <b>APPEARANCE:</b>                | Milky, White, and Viscous  | <b>FLAMMABLE LIMITS IN AIR, UPPER:</b>           | Unknown                                       |
| <b>ODOR:</b>                      | Hydrocarbon                | <b>(% BY VOLUME) LOWER:</b>                      | Unknown                                       |
| <b>ORDER THRESHOLD:</b>           | Not known                  | <b>VAPOR PRESSURE (mmHg):</b>                    | @ Unknown<br>F: Unknown<br>C: Unknown         |
| <b>PHYSICAL STATE:</b>            | Liquid                     | <b>VAPOR DENSITY (AIR = 1):</b>                  | @ Unknown<br>F: Unknown<br>C: Unknown         |
| <b>pH AS SUPPLIED:</b>            | Not applicable             | <b>RELATIVE DENSITY:</b>                         | 1.037 to 1.063                                |
| <b>pH (Other):</b>                | 6-8 upon dilution in water | <b>EVAPORATION RATE:</b>                         | Unknown                                       |
| <b>INITIAL BOILING POINT:</b>     | F: Unknown<br>C: Unknown   | <b>BASIS (butyl acetate=1):</b>                  |   |
| <b>BOILING POINT RANGE:</b>       | F: Unknown<br>C: Unknown   | <b>SOLUBILITY IN WATER:</b>                      | Limited by viscosity                          |
| <b>MELTING POINT:</b>             | F: Unknown<br>C: Unknown   | <b>PARTITION COEFFICIENT: (n-octanol/water):</b> | Unknown                                       |
| <b>FREEZING POINT:</b>            | F: Unknown<br>C: Unknown   | <b>AUTO-IGNITION TEMPERATURE:</b>                | Unknown                                       |
| <b>FLASH POINT:</b>               | F: >200<br>C: >93          | <b>DECOMPOSITION TEMPERATURE:</b>                | Unknown                                       |
| <b>METHOD USED:</b>               | PMCC                       | <b>VISCOSITY:</b>                                | @ > 22.5 mm <sup>2/S</sup><br>F: 104<br>C: 40 |
| <b>FLAMMABILITY (solid, gas):</b> | Can burn                   |  |   |

**SECTION 9 NOTES: VALUES ARE NOT PRODUCT SPECIFICATIONS.**

Note: THESE PHYSICAL DATA ARE TYPICAL VALUES BASED ON MATERIAL TESTED BUT MAY VARY FROM SAMPLE TO SAMPLE. TYPICAL VALUES SHOULD NOT BE CONSTRUED AS A GUARANTEED ANALYSIS OF ANY SPECIFIC LOT OR AS SPECIFICATION ITEMS.

**SECTION 10: STABILITY AND REACTIVITY**

STABILITY: Stable  Unstable

CONDITIONS TO AVOID (STABILITY): None Known

INCOMPATIBILITY (MATERIAL TO AVOID): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Under fire conditions, oxides of carbon and nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None known

SECTION 10 NOTES: None

**SECTION 11: TOXICOLOGICAL INFORMATION**

**TOXICOLOGICAL INFORMATION:**

LD50/Oral/rat: > 5,000 mg/kg  
Remarks: estimated

LC50/Inhalation/4 h/rat: > 20.0 mg/l  
Remarks: estimated

LD50/Dermal/rabbit: > 2,000 mg/kg  
Remarks: estimated

SECTION 11 NOTES: None

**SECTION 12: ECOLOGICAL INFORMATION**

**ECOLOGICAL INFORMATION:**

**ALGAE TEST RESULTS**

Duration: 72 hr

Test: Growth Inhibition (OECD 201)

Species: Green Algae (Selenastrum capricornutum)

>100 mg/l IC50 Information based on a structurally similar material.

**FISH TEST RESULTS**

Duration: 96 hr.

Test: Acute toxicity, freshwater (OECD 203)

Species: Rainbow Trout (Oncorhynchus mykiss)

120 mg/l LC50

Test: Acute toxicity, freshwater (OECD 203)

Duration: 96 hr

Species: Zebra Fish (Brachydanio rerio)

>100 mg/l LC50 Information based on a structurally similar material.

**INVERTEBRATE TEST RESULTS**

Duration: 48 hr

Test: Acute Immobilization (OECD 202)

Species: Water Flea (Daphnia magna)

>100 mg/l EC50 Information based on a structurally similar material.

**DEGRADATION**

Test: CO2 Evolution: Modified Sturm (OECD 301B)

The polymeric ingredient is not readily biodegradable. The large polymer size is incompatible with transport across biological membranes and diffusion; the bioconcentration factor is therefore considered to be zero.

ECOTOXICITY: Not available

BIOACCUMULATIVE POTENTIAL: Because of the high molecular weight of the polymer diffusion through biological membranes is very small. Bioaccumulation is unlikely.  
Partition coefficient: n-octanol/water: not applicable

MOBILITY IN SOIL: Not available

OTHER ADVERSE EFFECTS: Not available

SECTION 12 NOTES: None

**SECTION 13: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL METHOD:** Do not contaminate water, food or feed by storage or disposal. Dispose of contents of container to an approved waste disposal facility in accordance with all federal, state and local regulations.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent) adding rinse water to application tank. Offer container for recycling or dispose of in a sanitary landfill or by other procedures approved by local regulations.

**RCRA HAZARD CLASS:** None

**SECTION 13 NOTES:** None

**SECTION 14: TRANSPORT INFORMATION**

**U.S. DEPARTMENT OF TRANSPORTATION**

**DOT Shipping Description:** Not Regulated

**U.S. Surface Freight Classification:** ADHESIVES, ADJUVANTS, SPREADERS OR STICKERS (NMFC 4610; CLASS: 60) Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

**OTHER AGENCIES:** None

**SECTION 14 NOTES:** None

**SECTION 15: REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS**

**TSCA (TOXIC SUBSTANCE CONTROL ACT):** Mixture is not listed or excluded from listing.

**CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):**

Chemical Name	CAS Number	Range in %	RQ
Residual ethylene oxide (typical)	75-21-8	<0.001 10	

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):**

**Section 302/304 Extremely Hazardous Substances**

Chemical Name	CAS Number	Range in %	TPQ	RQ
Residual ethylene oxide (typical)	75-21-8	<0.001		Below reportable concentrations

**311/312 HAZARD CATEGORIES:** Acute

**313 REPORTABLE INGREDIENTS:** None

**STATE REGULATIONS:**

**WARNING!** This product contains a detectable amount of ethylene oxide, which is known to the State of California to cause cancer and/or reproductive toxicity.

Ethoxylated products may contain residual amounts of ethylene oxide (EO) which can accumulate in the container headspace and be released into the ambient environment. This process is enhanced when the product is agitated, as during tank car loading and unloading, and blending operations. Ethylene oxide causes tumors in laboratory animals. The Occupational Safety and Health Administration (OSHA) Permissible Exposure Level (PEL) for EO is 1 ppm for an eight-hour time weighted average exposure. The standard regulates occupational exposure to EO from all sources, including products containing residual EO. It is the responsibility of the employer to comply with OSHA ethylene oxide standard (29) CFR 1910.1047. **Acrylamide (79-06-1) % (< 0.01)**

**INTERNATIONAL REGULATIONS:** All components of this product are included in the United States TSCA Chemical Inventory or are not required to be listed on the United States TSCA Chemical Inventory.

: All components of this product are included in the Canada Domestic Substance List (DSL) or are not required to be listed on the Canada Domestic Substance List (DSL).

: All components of this product are included in the Australian

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Inventory of Chemical Substances (AICS) or are not required to be listed on the Australian Inventory of Chemical Substances (AICS).

: All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese inventory.

: All components of this product are included in the Korean (ECL) inventory or are not required to be listed on the Korean (ECL) inventory.

: All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine (PICCS) inventory.

: All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese (ENCS) inventory.

: All components of this product are included in the European Inventory of Existing Chemical Substances (EINECS) or are not required to be listed on EINECS.

**SECTION 15 NOTES:** None

## SECTION 16: OTHER INFORMATION

**OTHER INFORMATION:** None

**DISCLAIMER:** The recommendation for safe handling and protection procedures is believed to be generally suitable for the standard uses of this compound. However, each user should identify his intended uses of this material and determine whether they are appropriate. All data included in this document is released as typical values and should not be utilized to determine the suitability of this material for a particular use or purpose. No warranty, either expressed or implied, is hereby made, nor do we give permission, inducement, or recommendations to practice any patented invention without a license. All data is offered for consideration, investigation and verification purposes only.