

SAFETY DATA SHEET

SDS DATE: 10/03/2018

FORMATION

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: FORMATION

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: Polymer
CHEMICAL FORMULA: Mixture

PRODUCT USE: Adjuvant

SECTION 1 NOTES: None

SECTION 2: HAZARDS

GHS Ratings:

Toxicity Categories: NONE

Signal Word: NONE

Hazard symbol: NONE

GHS HAZARDS

None Classified

The material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard's (29CFR 1910.1200) implementation of the Globally Harmonized System (GHS), i.e., material is not a dangerous substance or mixture requiring GHS classification according to the US GHS regulations.

SLIPPERY WHEN WET

SECTION 3: INFORMATION ON COMPONENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% WT</u>
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

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SECTION 4: FIRST AID MEASURES

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

IF IN EYES: Rinse thoroughly with plenty of water, also under the eyelids. If possible use lukewarm water.

IF ON SKIN OR CLOTHING: Wash off with soap and water.

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

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: None

SECTION 5: FIRE FIGHTING MEASURES

NFPA HAZARD CLASSIFICATION

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

IN CASE OF FIRE: Water, carbon dioxide, dry chemical or foam.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters, and others exposed, wear self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Dust may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS: During combustion, oxides of carbon.

SECTION 5 NOTES: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: SPILLS ARE VERY SLIPPERY WHEN WET. Surround and absorb all spills. Material should be collected and disposed in proper manner. Sweep or shovel into suitable container. 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. Wear suitable protective equipment.

SECTION 6 NOTES: None

SECTION 7: HANDLING AND STORAGE

HANDLING **Avoid dust formation during handling.** Keep out of reach of children. Read label before use. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Use personal protective equipment as required.

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.**

SECTION 7 NOTES: None

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains NO substances with occupational exposure limit values. HMIS=B

VENTILATION:	Normal room ventilation (mechanical) or outdoor use should be satisfactory.
RESPIRATORY PROTECTION:	Not necessary unless ventilation is inadequate. Then use OSHA or NIOSH approved respirator, as appropriate.
EYE PROTECTION:	Safety glasses.
SKIN PROTECTION:	Chemical 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

APPEARANCE:	Off white	FLAMMABLE LIMITS IN AIR, UPPER:	Unknown
ODOR:	None	(% BY VOLUME) LOWER:	Unknown
ORDER THRESHOLD:	Not known	VAPOR PRESSURE (mmHg):	@ F: Unknown C: Unknown
PHYSICAL STATE:	Solid, granular	VAPOR DENSITY (AIR = 1):	@ F: Unknown C: Unknown
pH AS SUPPLIED:	Not applicable	BULK DENSITY:	650-850 kg/m ³
pH (Other):	7 - 9 aqueous	EVAPORATION RATE:	Unknown
INITIAL BOILING POINT:	F: Unknown C: Unknown	BASIS (butyl acetate=1):	
BOILING POINT RANGE:	F: Unknown C: Unknown	SOLUBILITY IN WATER:	Soluble, limited by viscosity
MELTING POINT:	F: Unknown C: Unknown	PARTITION COEFFICIENT: (n-octanol/water):	Unknown
FREEZING POINT:	F: Unknown C: Unknown	AUTO-IGNITION TEMPERATURE:	Unknown
FLASH POINT:	F: >200 C: >93	DECOMPOSITION TEMPERATURE:	Unknown
METHOD USED:	PMCC	VISCOSITY:	@ Not determined F: Unknown C: Unknown
FLAMMABILITY (solid, gas):	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.

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SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable ☒ Unstable ☐

CONDITIONS TO AVOID (STABILITY): None known

INCOMPATIBILITY (MATERIAL TO AVOID): None known.

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

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None known

SECTION 10 NOTES: None

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: The acute toxicological results displayed may not be the results of actual testing of this material but based on a similar tested material.

MIXTURE TOXICITY
Inhalation-estimated /Rat/2,500 mg/kg/LD50
Dermal-LD50/Rabbit/> /10,000 mg/kg
Oral- estimated-/Rat/2,500 mg/kg/LD50
Skin corrosion/irritation : No skin irritation. Not sensitizing.
Serious eye damage/eye irritation: No eye irritation

COMPONENT TOXICITY Not available

SECTION 11 NOTES: None

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: This material is not classified as dangerous for the environment.

Acute toxicity tests conducted using environmentally representative water gave the following results:

ALGAE TEST RESULTS Test: Acute Alga Toxicity, seawater (ISO 10253) Duration: 72 hr
Species: Marine Algae (Skeletonema costatum) 2276 mg/l IC50

Test: Growth Inhibition (OECD 201) Duration: 72 hr.
Species: Green Algae (Selenastrum capricornutum) >100 mg/L IC50

FISH TEST RESULTS Test: Acute toxicity, freshwater (OECD 203) Duration: 96 hr.
Species: Bluegill Sunfish (Lepomis macrochirus) 180 mg/l LC50

Test: Acute toxicity, freshwater (OECD 203) Duration: 96 hr
Species: Rainbow Trout (Oncorhynchus mykiss) 130 mg/l LC50

Test: Acute toxicity, freshwater (OECD 203) Duration: 96hr
Species: Fathead Minnow (Pimephales promelas) 670 mg/l LC50

Test: Acute toxicity, freshwater (OECD 203) Duration: 96 hr
Species: Zebra Fish (Brachydanio rerio) >100 mg/l LC50

INVERTEBRATE TEST RESULTS Test: Acute Immobilization (OECD 202) Duration: 48 hr
Species: Water Flea (Daphnia magna) >100 mg/l EC50

Test: Acute Immobilization (OECD 202) Duration: 48 hr
Species: Marine Copepod (Acartia tonsa) 342 mg/l EC50

OTHER TEST RESULTS Test: Sediment Toxicity (PARCOM) Duration: 10 day
Species: Marine Amphipod (Corophium volutator) 1415 mg/l EC50

DEGRADATION
Test: Closed Bottle (OECD 301D) Duration: 28 day
Procedure: Ready biodegradability <10 %

Test: Seawater Shake Flask Method (OECD 306) Duration: 28 day

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Procedure: Biodegradability in seawater 1.7 %

SECTION 12 NOTES: Additional ecological information: Ecotoxicological information provided is based on a structurally or compositionally similar product. This material is not classified as dangerous for the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not contaminate water, food or feed by storage or disposal. Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, national and international 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 not listed or excluded from listing.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Not Regulated

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Not Regulated

311/312 HAZARD CATEGORIES: None

313 REPORTABLE INGREDIENTS: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

INTERNATIONAL REGULATIONS: This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproduction harm.

SECTION 15 NOTES: None

SECTION 16: OTHER INFORMATION

HMIS 0 1 0

NFPA 0 1 0

OTHER INFORMATION: 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 European Inventory of Existing Chemical Substances (EINECS) or are not required to be listed on EINECS. 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 on the Japanese

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(ENCS) inventory or are not required to be listed on the Japanese (ENCS) inventory.

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

All components of this product are included on the Taiwan Toxic Chemical Substances Control Act Inventory.

All components of this product are included in the New Zealand inventory (NZIoC) or are not required to be listed on the New Zealand inventory (NZIoC).

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.