

# SAFETY DATA SHEET

YARDAGE

SDS DATE: 09/25/2024

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** YARDAGE  
**COMPANY NAME:** EXACTO INC  
**ADDRESS** 200 Old Factory Rd Sharon, WI 53585  
**PHONE** (262)456-5200  
**EMERGENCY CHEMTREC PHONE:** US & Canada: 1-800-424-9300

**CHEMICAL NAME:** Proprietary mixture  
**CHEMICAL FAMILY:** Acidifying surfactant  
**CHEMICAL FORMULA:** Mixture

**PRODUCT USE:** Multifunctional adjuvant

**SECTION 1 NOTES:** None

## SECTION 2: HAZARDS IDENTIFIED

### GHS Ratings:

#### Toxicity Categories

Eye corrosion / irritation  
Flammable liquid

Category 1A  
Category 4



**Signal Word: DANGER**

### GHS HAZARDS

H227 Combustible liquid.  
H318 Causes serious eye damage.

### GHS PRECAUTIONS

P102 Keep out of reach of children.  
P103 Read label before use.  
P210 Keep away from heat, sparks, open flames or hot surfaces – No smoking.  
P233 Keep container tightly closed.  
P234 Keep only in original container.  
P261 Avoid breathing vapors or spray.  
P264 Wash hands thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves, protective clothing, eye protection.  
P301+312 IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell.  
P302+352 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.  
P310 Immediately call a POISON CENTER or physician.  
P307+378 In case of fire: Use Foam, Dry Chemical, CO2, Water Spray to extinguish.  
P403+235 Store in a well-ventilated place. Keep cool.  
P501 Dispose of contents in container to an approved waste disposal facility in accordance with all local, regional, national and international regulations.

## SECTION 3: INFORMATION ON INGREDIENTS

### 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

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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.

**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:** Immediately call a poison center or physician. Rinse cautiously with water for several minutes. Remove contact lenses if present, after the first 5 minutes, then continue cautiously rinsing eye.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing and wash it before reuse. Wash skin with plenty of soap and water for several minutes.

**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:** 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. Call a poison center or physician if you feel unwell.

### NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: None

## SECTION 5: FIRE FIGHTING MEASURES

### NFPA HAZARD CLASSIFICATION

HEALTH: 3      FLAMMABILITY: 1      REACTIVITY: 0      OTHER: -

**IN CASE OF FIRE:** In case of fire: Use Foam, Dry Chemical, CO2, Water Spray to extinguish. Keep away from heat, sparks, open flames or hot surfaces- NO SMOKING.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use alcohol-type or universal-type foams on larger fires. Smaller fires should be extinguished with carbon dioxide or dry chemical. Do not use water or foam directly on the fire. 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:** Surround and absorb all spills to prevent material damage. Material should be collected and disposed in proper manner. Dike the area to prevent spill from spreading. Spilled material should be absorbed onto an inert material and scooped up. Soak up spill with a suitable absorbent. 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** Keep out of reach of children. Read label before use. Keep away from heat, sparks, open flames or hot surfaces – No smoking. Keep container tightly closed. Keep only in original container. Avoid breathing vapors or spray. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves, protective clothing, eye 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.

SECTION 7 NOTES: None

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## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

	OSHA		ACGIH		NIOSH	
	PEL	STEL	PEL	STEL	PEL	STEL
Propionic Acid 79-09-4	10 ppm /8hr 30 mg/m <sup>3</sup>	15 ppm / 15min				

### HMIS=E

**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 with side shields



**SKIN PROTECTION:** Chemical gloves, long-sleeved shirts and pants.



**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Eye wash and safety shower should be easily accessible. Dust Mask.



**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:** Amber to dark brown

**ODOR:** Strong, vinegar-like  
**ORDER THRESHOLD:** Not known

**PHYSICAL STATE:** Liquid

**pH AS SUPPLIED:** Not applicable  
**pH (Other):** Acidic

**INITIAL BOILING POINT:** F: Unknown  
C: Unknown

**BOILING POINT RANGE:** F: Unknown  
C: Unknown

**MELTING POINT:** F: Unknown  
C: Unknown

**FREEZING POINT:** F: Unknown  
C: Unknown

**FLASH POINT:** F: 147  
C: 64

**METHOD USED:** PMCC

**FLAMMABILITY (solid, gas):** Combustible

**FLAMMABLE LIMITS IN AIR, UPPER:** Unknown  
(% BY VOLUME) **LOWER:** Unknown

**VAPOR PRESSURE (mmHg):** @ Unknown  
F: Unknown  
C: Unknown

**VAPOR DENSITY (AIR = 1):** @ Unknown  
F: Unknown  
C: Unknown

**RELATIVE DENSITY:** 0.989 to 1.027

**EVAPORATION RATE:** Unknown  
**BASIS (butyl acetate=1):**

**SOLUBILITY IN WATER:** Dispersible

**PARTITION COEFFICIENT: (n-octanol/water):** Unknown

**AUTO-IGNITION TEMPERATURE:** Unknown

**DECOMPOSITION TEMPERATURE:** Unknown

**VISCOSITY:** @ Unknown  
F: Unknown  
C: Unknown

**CORROSIVITY:** Not corrosive to metal by ASTM G31-72

**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): Strong oxidizing agents. Can react with metals, strong bases and amines.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: During combustion, oxides of carbon.

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID (POLYMERIZATION): None known

SECTION 10 NOTES: None

## SECTION 11: TOXICOLOGICAL INFORMATION

### TOXICOLOGICAL INFORMATION: MIXTURE TOXICITY

Dermal Toxicity: >5050mg/kg

Oral Toxicity: >5000mg/kg

Acute eye Irritation (Rabbit) score of 65.0 out of 110 effect persisted through 21 day

Acute Dermal irritation (Rabbit) 0.8 out of 8.0 based on a 72 hour observation

AQUATIC TOXICITY The NOEC (No Observed Effect Concentration) at 24 hours was determined to be 15 mg/L and the

EC50

(Median effective Concentration) was determined to be 35.42 mg/L.

The NOEC at 48 hours was determined to be 3.75 mg/L and the EC50 was determined to be 14.68 mg/L

### COMPONENT TOXICITY

SECTION 11 NOTES: None

## SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: Not available

ECOTOXICITY: Not available

BIOACCUMULATIVE POTENTIAL: Not available

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 in 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

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## SECTION 14: TRANSPORT INFORMATION

### U.S. DEPARTMENT OF TRANSPORTATION

**NMFC Proper Shipping Name:** Adhesive, Adjuvants, Spreaders or Stickers, Sprayable Product, Dry or Liquid

**DOT Shipping Description:**

**PRODUCT DOES NOT SUSTAIN COMBUSTION. NOT REGULATED AS COMBUSTIBLE BY CFR 172.120 (3): DOES NOT SUSTAIN COMBUSTION.**

**NOT REGULATED AS CORROSIVE** WHEN TRANSPORTED BY MOTOR VEHICLE OR RAILCAR IN PACKAGING THAT WILL NOT REACT WITH OR BE DEGRADED BY THIS MATERIAL SUCH AS HDPE OR STAINLESS STEEL - 49 CFR 173.154 (d).

Average rate of corrosion for STEEL Coupon test 0.4316 mm/yr.  
Average rate of corrosion for ALUMINUM ALLOY Coupon test .0231 mm/yr.

**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):**

**311/312 HAZARD CATEGORIES:** None

**313 REPORTABLE INGREDIENTS:** None

INGREDIENT	CAS NO.	% WT	SARA 313 REPORTABLE	OSHA		ACGIH		
				TWA	STEL	Ceiling	TWA	STEL
Propionic Acid	79-09-04	35	No	10 ppm / 8 hr	15 ppm / 15 min			
Ethylene Oxide	75-21-8	<1 ppm	Not at levels present	1 ppm				

**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).

**INTERNATIONAL REGULATIONS:** None

**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

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