



Finding New Ways to Improve the  
Treatment of Trees and Plants.

## SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### PRODUCT NAME: **FlashWett**

**DISTRIBUTOR:** Quest Products Corporation  
**ADDRESS:** 23611 Linwood Rd (K-32)  
Linwood, KS 66052  
**PHONE:** (785)-542-2577

**EMERGENCY CHEMTREC PHONE - US & Canada:** 1-800-424-9300

**CHEMICAL NAME:** Proprietary Mixture  
**CHEMICAL FAMILY:** Nonionic Copolymer Surfactant  
**CHEMICAL FORMULA:** Proprietary Mixture

**PRODUCT USE:** Soil wetting agent

**SECTION 1 NOTES:** None

### SECTION 2: HAZARDS IDENTIFIED

#### GHS Ratings:

Signal Word: **WARNING**



#### GHS Hazards

H303 – May be harmful if swallowed.  
H316 – Causes mild skin irritation.  
H320 – Causes eye irritation.  
H335 – Mists may cause respiratory irritation.

#### GHS Precautions

P101 – If medical advice is needed, have product container or label at hand.  
P102 - Keep out of reach of children.  
P103 - Read label before use.  
P233 - Keep container tightly closed.  
P234 - Keep only in original container.  
P261 – Avoid breathing fumes/vapors.  
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
P270 - Do not eat, drink or smoke when using this product.  
P271 – Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves, protective clothing and eye protection.  
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor.

**SECTION 2 NOTES:** None

### SECTION 3: COMPONENT INFORMATION

| <u>INGREDIENT</u>                         | <u>CAS NO.</u> | <u>% WT</u> |
|---|----------------|-------------|
| Oxirane, Methyl-, polymer<br>With oxirane | 9003-11-6      | 10-30%      |

*If an ingredient name is listed as "Proprietary", or the percent weight is withheld or listed as a range, said information has been withheld as a trade secret.*

#### CARCINOGENICITY

OSHA: No                      ACGIH: No                      NTP: No                      IARC: No                      OTHER: None

**SECTION 3 NOTES:** None.

#### SECTION 4: FIRST AID MEASURES

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

*Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).*

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. Have the product container with you when calling a poison control center or doctor, or going for treatment.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes.

**IF SWALLOWED:** Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** Product does NOT contain a pesticide or pest control product.

**SECTION 4 NOTES:** None.

#### SECTION 5: FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** Water, carbon dioxide, dry chemical or foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** When ignited, may release oxides of carbon.

**SECTION 5 NOTES:** None.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Keep unnecessary personnel away. Stop the flow of material, if it is safe to do so. Collect using an inert absorbent. Sweep up and place in an appropriate closed container. Discard any product, residue, disposable container or liner in full compliance with federal, state and local regulations. Wear suitable protective equipment. Clean up residual material by washing area with water. Collect washings and rinsate for disposal.

**SECTION 6 NOTES:** None.

#### SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Keep out of reach of children. Read label before use. Keep container tightly closed. Store in original container only. Do not add water to the contents of this container. Dispose of empty containers in accordance with federal, state, and local law. Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not eat, drink or smoke when using this product. Avoid direct contact with substance. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid breathing spray mist. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse. Wear protective gloves, protective clothing, eye protection and face protection.

**SECTION 7 NOTES:** None.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**VENTILATION:** Local exhaust ventilation recommended if generating vapor or mist. If exhaust ventilation is not available or inadequate, use MSHA or NIOSH approved respirator as appropriate.

**RESPIRATORY PROTECTION:** Not necessary unless ventilation is inadequate. Then use MSHA or NIOSH approved respirator, as appropriate.

**EYE PROTECTION:** Chemical splash goggles.

**SKIN PROTECTION:** Impermeable gloves, long sleeves, long pants, rubber apron.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Eye wash stations, safety showers.

**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:** See Section 4 for First Aid measures.

**SECTION 8 NOTES:** None

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

|                                 |                                       |   |  |
|---------------------------------|---------------------------------------|---|--|
| <b>APPEARANCE:</b>              | Clear to hazy viscous liquid          | <b>SPECIFIC GRAVITY (H2O = 1):</b>                | 1.01-1.03<br>F: 68<br>C: 20                    |
| <b>ODOR:</b>                    | Mild odor                             | <b>EVAPORATION RATE: BASIS (butyl acetate=1):</b> | Unknown  |
| <b>PHYSICAL STATE:</b>          | Liquid                                | <b>SOLUBILITY IN WATER:</b>                       | Soluble  |
| <b>pH AS SUPPLIED:</b>          | 5.5-7                                 | <b>VISCOSITY:</b>                                 | Unknown  |
| <b>pH (Other):</b>              | Unknown                               | <b>FLAMMABLE LIMITS IN AIR (% BY VOLUME)</b>      | <b>UPPER:</b> Unknown<br><b>LOWER:</b> Unknown |
| <b>BOILING POINT:</b>           | F: Unknown<br>C: Unknown              | <b>FLASH POINT:</b>                               | F: >200<br>C: >93                              |
| <b>MELTING POINT:</b>           | F: Unknown<br>C: Unknown              | <b>METHOD USED:</b>                               | PMCC   |
| <b>FREEZING POINT:</b>          | F: Unknown<br>C: Unknown              | <b>AUTOIGNITION TEMPERATURE:</b>                  | F: Unknown<br>C: Unknown                       |
| <b>VAPOR PRESSURE (mmHg):</b>   | @ Unknown<br>F: Unknown<br>C: Unknown | <b>SECTION 9 NOTES:</b>                           | None   |
| <b>VAPOR DENSITY (AIR = 1):</b> | @Unknown<br>F:N/A C:N/A               |   |  |

**SECTION 10: STABILITY AND CHEMICAL REACTIVITY**

|  |   |
|--|---|
| <b>STABILITY:</b>                            | Stable <input checked="" type="radio"/> Unstable <input type="radio"/>                        |
| <b>REACTIVITY:</b>                           | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>CONDITIONS TO AVOID (STABILITY):</b>      | Contact with incompatible materials, excess heat, exposure to water or moist air.             |
| <b>INCOMPATIBILITY (MATERIAL TO AVOID):</b>  | Amines, caustics, oxidizing agents, acids.  |
| <b>HAZARDOUS DECOMPOSITION BY-PRODUCTS:</b>  | When ignited, may release oxides of carbon. Do not breathe fumes.                             |
| <b>HAZARDOUS DECOMPOSITION:</b>              | Under normal conditions of storage and use, hazardous decomposition will not occur.           |
| <b>CONDITIONS TO AVOID (POLYMERIZATION):</b> | Under normal conditions of storage and use, polymerization will not occur.                    |
| <b>SECTION 10 NOTES:</b>                     | None  |

**SECTION 11: TOXICOLOGICAL INFORMATION**

|  |   |   |
|--|---|---|
| <b>COMPONENT INFORMATION:</b>          | <b><u>1,2-propylene glycol (CAS# 57-55-6)</u></b><br>LD <sub>50</sub> Oral = 20 g/kg (Rat)<br>LD <sub>50</sub> Dermal = 20,800 mg/kg (Rabbit)<br>LC <sub>50</sub> Inhalation = Not Listed | <b><u>1,4-dioxane (CAS# 123-91-1)</u></b><br>LD <sub>50</sub> Oral = 2,000 mg/kg (Rabbit)<br>LD <sub>50</sub> Dermal = 7,600 mg/kg (Rabbit)<br>LC <sub>50</sub> Inhalation = Not Listed |
|  | <b><u>Ethylene Oxide (CAS# 75-21-8)</u></b><br>LD <sub>50</sub> Oral = 72 mg/kg (Rat)<br>LD <sub>50</sub> Dermal = Not Listed<br>LC <sub>50</sub> Inhalation = 836 ppm, 4 hours           |   |
| <b>ACUTE TOXICITY:</b>                 | No information available.   |   |
| <b>DELAYED/CHRONIC TOXICITY:</b>       | No information available.   |   |
| <b>SKIN CORROSION/IRRITATION:</b>      | Prolonged skin contact may cause temporary irritation.  |   |
| <b>SERIOUS EYE DAMAGE/IRRITATION:</b>  | Direct contact with eyes may cause temporary irritation.  |   |
| <b>RESPIRATORY/SKIN SENSITIZATION:</b> | Not expected to cause respiratory or skin sensitization.  |   |
| <b>GERM CELL MUTAGENICITY:</b>         | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.  |   |
| <b>CARCINOGENITY:</b>                  | Not classifiable as carcinogenic to humans.   |   |
| <b>SECTION 11 NOTES:</b>               | None  |   |

## SECTION 12: ECOLOGICAL INFORMATION

### COMPONENT INFORMATION

- **1,4-dioxane (CAS# 123-91-1)**
  - LC<sub>50</sub> Inland Silverside (Menidia beryllina) – 6700 mg/L, 96 hours
- **Ethylene Oxide (CAS# 75-21-8)**
  - LC<sub>50</sub> Fathead minnow (Pimephales promelas) - >=73-96 mg/L, 96 hours
- **1,2-propylene glycol (CAS# 57-55-6)** EC<sub>50</sub> Freshwater Algae (Pseudokirchneriella subcapitata) – 19,000 mg/L, 96 hours
  - LC<sub>50</sub> Rainbow Trout (Oncorhynchus mykiss) 51,600 mg/L, 96 hours static
  - LC<sub>50</sub> Rainbow Trout (Oncorhynchus mykiss) 41-47mL/L, 96 hours static
  - LC<sub>50</sub> Fathead Minnow (Pimephales promelas) 51,400 mg/L, 96 hours static
  - LC<sub>50</sub> Fathead Minnow (Pimephales promelas) 710 mg/L, 96 hours
  - EC<sub>50</sub> Microbe (Photobacterium phosphoreum) 710 mg/L, 30 minutes
  - EC<sub>50</sub> Water Flea (Daphnia magna) >1,000 mg/L, 48 hours

|                                   |   |
|-----------------------------------|---|
| <b>ECOLOGICAL INFORMATION:</b>    | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful, or damaging effect on the environment. |
| <b>PERSISTENCE/DEGRADABILITY:</b> | Miscible with water. Persistence has not yet been classified.   |
| <b>BIOACCUMULATIVE POTENTIAL:</b> | No data available.  |
| <b>MOBILITY IN SOIL:</b>          | Will likely be mobile in the environment due to its water solubility.   |
| <b>OTHER ADVERSE EFFECTS:</b>     | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.             |
| <b>SECTION 12 NOTES:</b>          | None  |

## SECTION 13: DISPOSAL CONSIDERATIONS

|                               |  |
|-------------------------------|--|
| <b>WASTE DISPOSAL METHOD:</b> | Collect and reclaim, or dispose in sealed containers at a licensed waste disposal site. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should also be taken to an approved waste handling site for recycling or disposal. |
| <b>RCRA HAZARD CLASS:</b>     | Not regulated as dangerous goods.  |
| <b>SECTION 13 NOTES:</b>      | None   |

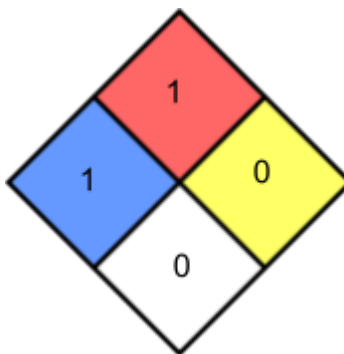
## SECTION 14: TRANSPORT INFORMATION

|                          |                                   |
|--------------------------|-----------------------------------|
| <b>U.S. DOT:</b>         | Not regulated as dangerous goods. |
| <b>IATA:</b>             | Not regulated as dangerous goods. |
| <b>IMDG:</b>             | Not regulated as dangerous goods. |
| <b>SECTION 14 NOTES:</b> | None                              |

**SECTION 15: REGULATORY INFORMATION****U.S. FEDERAL REGULATIONS**

|                     |   |
|---------------------|---|
| HEALTH              | 1 |
| FLAMMABILITY        | 1 |
| REACTIVITY          | 0 |
| PERSONAL PROTECTION | 0 |

- 4. Severe Hazard
- 3. Serious Hazard
- 2. Moderate Hazard
- 1. Slight Hazard
- 0. Minimal Hazard



This product is not known to be a

- 4. Severe Hazard
- 3. Serious Hazard
- 2. Moderate Hazard
- 1. Slight Hazard
- 0. Minimal Hazard

"hazardous chemical" as defined by the OSHA TSCA (TOXIC SUBSTANCE CONTROL ACT): CFR 1910.1200.

Hazard Communication Standard, 29

**CERCLA HAZARDOUS SUBSTANCE LIST**

(40 CFR 707, SUBPT. D):

| <u>Chemical Name</u> | <u>CAS Number</u> | <u>Listed</u> |
|----------------------|-------------------|---------------|
| Ethylene Oxide       | 75-21-8           | Yes           |
| 1,4-dioxane          | 123-91-1          | Yes           |
| Propylene Oxide      | 75-56-9           | Yes           |

**Section 302/304 Extremely Hazardous Substances**

| <u>Chemical Name</u> | <u>CAS Number</u> | <u>Threshold Planning Quantity (Pounds)</u> | <u>Reportable Quantity (Pounds)</u> |
|----------------------|-------------------|---|-------------------------------------|
| Ethylene Oxide       | 75-21-8           | 1,000                                       | 10                                  |
| Propylene Oxide      | 75-56-9           | 10,000                                      | 100                                 |

**311/312 HAZARD CATEGORIES:**

This product does not pose an immediate health hazard.

**313 REPORTABLE INGREDIENTS:**

This product contains no substances subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) or 40 CFR Part 372 in concentrations above the the minimum concentration level.

**STATE REGULATIONS:**

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).

**SECTION 15 NOTES:**

None

**SECTION 16: OTHER INFORMATION****OTHER INFORMATION:**

None

**PREPARATION/REVISION INFORMATION:** Last revised on August 14<sup>th</sup>, 2024

**DISCLAIMER:**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its preparation. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release – and is not to be considered a warranty or quality specification. The information relates only to the specific material designated, and may not be valid for such material used in combination with any other materials, or in any process, unless specified in the text.

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.

**Quest Products Corp.**

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