



## Safety Data Sheet

### TRIO-W

**SDS Number:** 812-C                      **Revision:** March 10, 2015

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| <b>Section 1: IDENTIFICATION</b> |
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**Product Name:** TRIO-W

**Other Identification:**

Chemical description: Sorbitan tioleate, methyl soyate blend, linear primary alcohol ethoxylate and modified polydimethyl siloxane.

**Recommended Use of Chemical:** Agricultural Industry –Spray Adjuvant

**Supplier:**

CHEMNUT INC.  
800 Business Park Dr  
Leesburg, GA 31763  
(912) 883-7050

Information:

**Emergency Contact:** CHEMTREC (800) 424-9300 Domestic

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| <b>Section 2: HAZARD(S) IDENTIFICATION</b> |
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**Signal Word:**

WARNING

**Hazard Classification:**

Eye Irritation – 2A  
Aquatic Acute – 3

**Hazard Statement(s):**

H319-Causes Serious Eye Irritation  
H402-Harmful to aquatic life.

**Precautionary Statement:**

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 - If eye irritation persists: Get medical advice/attention.

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| <b>Section 3: COMPOSITION/INFORMATION on INGREDIENTS</b> |
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**Chemical Ingredients:** (See Section 8 for exposure guidelines)

| Ingredient                                     | CAS No  | Percent     | Classification (GHS-US)   |
|--|---|-------------|---|
| <b>Name</b><br>Proprietary ethoxylated alcohol | <b>Product Identifier</b><br>(CAS No) Proprietary | %           | <b>Classification (GHS-US)</b><br>Acute Tox. 4 (Oral), H302<br>Eye Irrit. 2A, H319<br>Aquatic Acute 2, H401 |
| Proprietary ingredient 2                       | (CAS No) Proprietary                              | Proprietary | Acute Tox. 4 (Oral), H302   |

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| <b>Section 4: FIRST AID MEASURES</b> |
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**Symptoms/Effects:**

**Acute:** Eye contact may cause eye irritation. Repeated or prolonged skin contact may cause skin irritation. Ingestion may irritate the gastrointestinal tract.

**Chronic:** No known chronic effects.

**Eyes:** Immediately flush with large quantities of water for 15 minutes. Hold eyelids apart during irrigation to ensure thorough flushing of the entire area of the eye and lids. Obtain medical attention if irritation occurs.

**Skin:** Immediately flush with large quantities of water. Remove contaminated clothing under a safety shower. Continue rinsing. Obtain medical attention if irritation occurs.

**Ingestion:** Do not induce vomiting. Obtain medical attention. Immediately call a POISON CENTER or Doctor.

**Inhalation:** Remove victim from contaminated atmosphere. If breathing is labored, administer oxygen. If breathing has ceased, clear airway and start CPR. Obtain medical attention.

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| <b>Section 5: FIRE FIGHTING MEASURES</b> |
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**Flammable Properties:** (See Section 9 for additional flammable properties)

**Extinguishing Media:**

**Suitable Extinguishing Media:** Not flammable, use media suitable for combustibles involved in fire.

**Unsuitable Extinguishing Media:** None known

**Protection of Firefighters:**

**Specific Hazards Arising from the Chemical:**

**Physical Hazards:** N/A

**Chemical Hazards:** N/A

**Protective Equipment and Precautions for Firefighters:**

Firefighters should wear self-contained breathing apparatus (SCBA) and full fire-fighting turnout gear.

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| <b>Section 6: ACCIDENTAL RELEASE MEASURES</b> |
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**Personal Precautions:** Use personal protective equipment specified in Section 8. Isolate the hazard area and deny entry to unnecessary, untrained and unprotected personnel.

**Environmental Precautions:** Keep out of "waters of the United States" because of potential aquatic toxicity. This product is a non-hazardous liquid .

**Methods of Containment:**

**Small Release:** Confine and absorb small releases with sand, earth or other inert absorbents.

**Large Release:** Shut off release if safe to do so. Dike spill area with earth, sand or other inert absorbents to prevent runoff into surface waterways (potential aquatic toxicity), storm drains or sewers.

**Methods for Cleanup:**

**Small Release:** Shovel up the absorbed material and place in drums for disposal as a chemical waste or recycle as a fertilizer as the original product was intended.

**Large Release:** Recover as much of the spilled product as possible using portable pump and hoses. Use recovered material as originally intended or dispose of as a chemical waste. Treat remaining material as a small release (above).

**Other Information:** Not applicable

**Section 7: HANDLING and STORAGE**

**Handling:** Avoid contact with eyes. Use only in a well-ventilated area. Wash thoroughly after handling. Avoid prolonged or repeated contact with the skin.

**Storage:** Store in cool dry areas. Do not store combustibles in the area of storage vessels. Keep away from any sources of heat or flame. Store totes and smaller containers out of direct sunlight at moderate temperatures. (See Section 10.5 for materials of construction.)

**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Exposure Guidelines:**

| Chemical       | OSHA PELs |        | TLV/PEL |     |
|----------------|-----------|--------|---------|-----|
|                | TWA       | STEL/C | TLV     | pel |
| Not applicable |           |        |         |     |

**Engineering Controls:** Use adequate exhaust ventilation to prevent inhalation of product vapors. Keep eye wash/safety shower in areas where product is commonly handled.

**Personal Protective Equipment (PPE):**

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| <b>Eye/Face Protection:</b>    | Safety goggles and a full face shield is advised.  |
| <b>Skin Protection:</b>        | Neoprene rubber gloves and apron should be worn to prevent repeated or prolonged contact with the liquid. Wash contaminated clothing prior to reuse.   |
| <b>Respiratory Protection:</b> | None generally required. If conditions exist where mist may be generated, a NIOSH/MSHA approved mist respirator should be worn.  |
| <b>Hygiene Considerations:</b> | There are no known hazards associated with this product when use as recommended, however common good industrial hygiene practices should be followed, such as washing thoroughly after handling and before eating or drinking. |

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| <b>Section 9:      PHYSICAL and CHEMICAL PROPERTIES</b> |
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| <b>9.1 Appearance:</b>                       | Amber liquid                                  |
| <b>9.2 Odor:</b>                             | Possible slight petroleum odor                |
| <b>9.3 Odor Threshold:</b>                   | Not determined                                |
| <b>9.4 pH:</b>                               | 7.45  |
| <b>9.5 Melting Point/Freezing Point:</b>     | Not applicable                                |
| <b>9.6 Boiling Point:</b>                    | >300°F (148.9°C)                              |
| <b>9.7 Flash Point:</b>                      | >250°F (121.1°C)                              |
| <b>9.8 Evaporation Rate:</b>                 | 1000X   |
| <b>9.9 Flammability:</b>                     | Not applicable                                |
| <b>9.10 Upper/Lower Flammability Limits:</b> | Not applicable                                |
| <b>9.11 Vapor Pressure:</b>                  | <0.0001 mmHg                                  |
| <b>9.12 Vapor Density:</b>                   | NA  |
| <b>9.13 Specific Gravity:</b>                | <b>0.92</b> (7.58 lbs/gal) ( <i>Typical</i> ) |
| <b>9.14 Solubility (in water):</b>           | Soluble                                       |
| <b>9.15 Partition Coefficient:</b>           | Not applicable                                |
| <b>9.16 Auto-ignition Temperature:</b>       | Not applicable                                |
| <b>9.17 Decomposition Temperature:</b>       | Data not available.                           |
| <b>9.18 Viscosity:</b>                       | N/A   |

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| <b>Section 10: STABILITY and REACTIVITY</b> |
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| <b>Reactivity:</b>                         | No information found  |
| <b>Chemical Stability:</b>                 | This is a stable product under normal (ambient) temperature and pressure conditions.  |
| <b>Possibility of Hazardous Reactions:</b> | Hazardous Polymerization will not occur.  |
| <b>Conditions to Avoid:</b>                | Avoid heat, sparks, flames  |
| <b>Incompatible Materials:</b>             | Strong oxidants , strong Acids, Strong Bases.   |
| <b>Hazardous Decomposition Products:</b>   | Thermal decomposition generates: Carbon oxides (CO, CO <sub>2</sub> ). Nitrogen oxides. Silicon oxides. Formaldehyde. Formaldehyhde is a potential carcinogen and can act as a potential skin and respiratory sensitizer. Formaldehyde can also cause respiratory and eye irritation. |

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| <b>Section 11: TOXICOLOGICAL INFORMATION</b> |
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|-----------------------------|-------------------|
| <b>Oral(Oral LD50):</b>     | >5050 mg/kg (rat) |
| <b>Dermal(Dermal LD50):</b> | >2,020 mg/kg(rat) |
| <b>Inhalation LC50:</b>     | Not determined    |

**Skin Corrosion/Irritation:** Not classified (Based on a Primary Skin Irritation Test on New Zealand White Rabbits, this product was slightly irritating after 72 hours, and does not meet the definition of a Skin Irritant).  
**pH:** 7.45

**Serious Eye Irritation:** Causes serious eye irritation. (Based on a Primary Skin Irritation Test on New Zealand White Rabbits, this product was moderatly irritating to the Eyes with fully reversible effects after 10 days).  
**pH:** 7.45

**Respiratory or Skin**

**Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** May cause irritation to the respiratory tract.

**Symptoms/Injuries After Skin Contact:** May cause mild skin irritation.

**Symptoms/Injuries After Eye Contact:** Causes serious eye irritation. Redness, pain, swelling, itching, burning, tearing, and blurred vision.

**Symptoms/Injuries After Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** None known.

**Section 12: ECOLOGICAL INFORMATION**

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| <b>Ecotoxicity:</b>                     | Harmful to Aquatic Life.  |
| <b>Persistence &amp; Degradability:</b> | Not determined  |
| <b>Bioaccumulative Potential:</b>       | Not determined  |
| <b>Mobility in Soil:</b>                | Not determined  |
| <b>Other Adverse Effects:</b>           | Do not contaminate water supplies, lakes, ponds, streams or drains. |

**Section 13: DISPOSAL CONSIDERATIONS**

Consult federal, state and local regulations for disposal requirements.

**Sewage Disposal Recommendations:** This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

**Section 14: TRANSPORT INFORMATION**

**Basic Shipping Description:**

|                               |                                    |
|-------------------------------|------------------------------------|
| <b>Proper Shipping Name:</b>  | Not regulated by DOT, IATA or IMDG |
| <b>Hazard Classes:</b>        | Not applicable                     |
| <b>Identification Number:</b> | Not applicable                     |

**Additional Information:**

**Other DOT Requirements:**

|                             |                |
|-----------------------------|----------------|
| <b>Reportable Quantity:</b> | Not applicable |
| <b>Placard(s):</b>          | Not applicable |
| <b>Label(s):</b>            | Not applicable |

**USCG Classification:** Not applicable

**International Transportation:**

|                         |                                       |
|-------------------------|---------------------------------------|
| <b>IMO:</b>             | Non-hazardous under IMO regulations.  |
| <b>IATA:</b>            | Non-hazardous under IATA regulations. |
| <b>TDG (Canada):</b>    | Non-hazardous under TDG regulations.  |
| <b>ADR (Europe):</b>    | Non-hazardous under ADR regulations.  |
| <b>ADG (Australia):</b> | Non-hazardous under ADG regulations.  |

**Emergency Response Guide:** Not applicable

**ERAP – Canada:** Not applicable

**Special Precautions:** None

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| <b>Section 15: REGULATORY INFORMATION</b> |
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**U.S. Federal Regulations:**

|   |                                 |
|---|---------------------------------|
| <b>SARA Section 311/312 Hazard Classes</b>                                | Immediate (acute) health hazard |
| <b>Proprietary ethoxylated alcohol</b>                                    |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                 |
| <b>Proprietary ingredient 2</b>   |                                 |
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |                                 |

**US State Regulations** Neither this product nor its chemical components appear on any US state lists



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| <b>Section 16: OTHER INFORMATION</b> |
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**GHS Full Text Phrases:**

|                     |  |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4                               |
| Aquatic Acute 2     | Hazardous to the aquatic environment - Acute Hazard Category 2 |
| Aquatic Acute 3     | Hazardous to the aquatic environment - Acute Hazard Category 3 |
| Eye Irrit. 2A       | Serious eye damage/eye irritation Category 2A                  |
| H302                | Harmful if swallowed   |
| H319                | Causes serious eye irritation                                  |
| H401                | Toxic to aquatic life  |
| H402                | Harmful to aquatic life  |

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

**History:**

Date of Revision;           03/1/2016

**Further Information:**

The above information is based on data of which the manufacturer is aware and is believed to be correct as of the date hereon. Since the information contained herein may be applied under conditions beyond the manufacturer's control and which may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, the manufacturer does not assume any responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.