

# TIGRIS™

# T-4

## SAFETY DATA SHEET

EMERGENCY CALL: 1-800-424-9300 (CHEMTREC)

### 1. IDENTIFICATION

**PRODUCT NAME:** Tigris T-4  
**DESCRIPTION:** Agricultural Adjuvant  
**COMPANY IDENTIFICATION:** Tigris, LLC  
P.O. Box 250  
10025 Hwy. 264 Alternate  
Middlesex, NC 27557

**EMERGENCY CONTACT:** In the event of chemical emergencies involving a spill, leak, fire exposure, or accident involving chemicals – call **CHEMTREC (800) 424-9300**

### 2. HAZARD IDENTIFICATION

#### Health:

##### Acute Toxicity:

- Oral – may be harmful if swallowed
- Dermal – may be harmful in contact with skin
- Inhalation – may be harmful if inhaled



#### Health Hazards

- Skin irritation – causes mild skin irritation
- Serious eye damage/eye irritation – causes eye irritation

#### Category

3  
2b

Health Hazards Not Otherwise Classified – does not meet classification criteria for WHMIS 2015 (Canada)

**Signal Word: WARNING**

#### PRECAUTIONARY STATEMENTS

##### General:

- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Read label before use.
- Avoid breathing fumes, mist, vapors, or spray.
- Wash hands, face, and other affected areas thoroughly after handling.
- Do not eat, drink, or smoke when using this product.
- Use only outdoors or in a well ventilated area.
- Wear protective gloves/protective clothing/eye protection/face protection.

#### Response:

**IF SWALLOWED:** Call a POISON CENTER or doctor / physician / seek medical attention if you feel unwell. Rinse mouth.

**IF ON SKIN:** Call a POISON CENTER or doctor / physician / seek medical attention if you feel unwell. Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water.

If skin irritation occurs: get medical advice/attention.

**IF INHALED:** Call a POISON CENTER/doctor/seek medical attention if you feel unwell. Remove person to fresh air and keep comfortable for breathing.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

If eye irritation persists: Get medical advice/attention.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS #	Composition
Proprietary blend of water conditioning agent(s)/surfactant(s)/polymer	N/A	100%

### 4. FIRST AID MEASURES

**EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**SKIN:** Remove contaminated clothing. Rinse skin with plenty of soap and water for 15-20 minutes. Call a doctor / physician if irritation occurs.

**INHALED:** After vapor exposure, remove to fresh air. Call a physician if breathing difficulties or irritation persists.

**INGESTION:** Call a poison control center or doctor immediately for treatment advice. Have the person rinse mouth with water. 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.



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## 5. FIREFIGHTING MEASURES

**EXTINGUISHING MEDIA:** dry chemical, foam or carbon dioxide (CO<sub>2</sub>).

**FIRE FIGHTING PROCEDURES:** Fight fire from a safe distance and protected location. Fight fire upwind to avoid hazardous vapors and decomposing products. Heat may build pressure and rupture closed containers, spreading fire and increasing the risk of injury. Water may be ineffective in fire fighting. Use water spray/fog for cooling containers and firefighters. Notify proper authorities if liquid material enters the sewer or public waters.

**FIRE FIGHTING EQUIPMENT:** As with any fire, wear self-contained breathing apparatus pressure demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

## 6. ACCIDENTAL RELEASE MEASURES

**SPILL AND LEAK RESPONSE:** Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

**PERSONAL PROTECTIVE EQUIPMENT:** For incidental releases use impermeable gloves, goggles, face shield, and appropriate body protection. In the event of a large release, use impermeable gloves, chemically resistant suit and boots, and hard hat. Self-Contained Breathing Apparatus or respirator may be required where engineering controls are not adequate or conditions for potential exposure exist. When respirators are required, select NIOSH/MSHA approved based on actual or potential airborne concentrations in accordance with the latest OSHA and/or ANSI recommendations.

**ENVIRONMENTAL PRECAUTIONS:** Stop spill at source. Construct temporary dikes of dirt, sand, or appropriate readily available material to prevent spreading of material. Close cap or valves and/or block or plug hole in leaking container and transfer to another container. Keep from entering storm sewers and ditches which lead to waterways, and if necessary, call the local fire or police department for immediate assistance.

**CONTAINMENT AND CLEANUP:** Spilled material is slippery. Neutralize spill with soda ash or lime. Absorb spilled liquid with polypads or other absorbent materials. Clean up with non-combustible absorbent (such as sand or soil). Shovel up and place all spill residue in suitable containers. Use detergent if needed. Dispose of at an appropriate waste disposal facility according to current applicable laws and regulations and product characteristics at time of disposal.

## 7. HANDLING AND STORAGE

**HANDLING:** Follow all SDS/label precautions when using this product. Do not reuse the container.

**STORAGE:** Store in a cool, dry, well ventilated area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Facilities storing or utilizing this material should be equipped with an eyewash station, safety shower, and adequate ventilation.

**Ventilation System:** A system of local and/or general exhaust may be necessary to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emission of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

**RESPIRATORY PROTECTION:** Avoid high concentrations of vapor and/or mist. Use local exhaust if available or use NIOSH/MSHA approved organic vapor respirator as necessary.

**EYE PROTECTION:** Wear OSHA standard chemical splash goggles or face mask; avoid eye contact at all times.

**SKIN PROTECTION:** Clean, body-covering clothing should be used. Use impervious gloves such as neoprene. Avoid prolonged and unnecessary skin contact with product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Hazy liquid

**pH (neat):** 5.5 – 7.5

**Melting/freezing point:** Not determined

**Boiling point/Boiling range:** Not determined

**Specific Gravity (25°C):** 1.21 – 1.27

**Flashpoint:** > 93°C

**Color (Gardner):** Not determined

**Solubility in Water:** Soluble

**Viscosity:** 1400 – 2500 cPs

**Odor Threshold:** Not determined

**Evaporation Rate:** Not determined

**Upper / Lower Flammability Limits:** Not determined

**Vapor Pressure:** Not determined

**Vapor Density:** Not determined

**Partition Coefficient:** Not determined

**Auto-Ignition Point:** Not determined

**Decomposition Temperature:** Not determined

## 10. STABILITY AND REACTIVITY

**CHEMICAL STABILITY:** Stable at ambient temperatures and atmospheric pressure.

**CONDITIONS TO AVOID:** Oxidizing materials.

**HAZARDOUS DECOMPOSITION:** Combustion will produce carbon oxides, nitrogen oxides, and other products of incomplete combustion.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

**ACUTE:** based on toxicology testing.

**LD<sub>50</sub> Oral** > 5,000 mg/kg

**LD<sub>50</sub> Dermal** > 5,000 mg/kg

**Inhalation LC<sub>50</sub> (dust/mist)** > 5,000 mg/kg

**Inhalation LC<sub>50</sub> (vapor)** > 5,000 mg/kg

**Eye** – product is normally non-irritating, may cause mild irritation.

**Skin** – contact with product will cause irritation and may be harmful if absorbed through the skin. Avoid prolonged and unnecessary skin contact with the product.

**Inhalation** – inhaling concentrated vapors may be harmful and may cause nasal and respiratory tract irritation. Overexposure by inhalation may cause headache, nausea, weakness, and lightheadedness.

**Swallowing** – may cause burning pain in mouth, throat, and abdomen and coughing and constriction of the throat, followed by nausea, vomiting, and diarrhea. Do not taste or swallow product.

**Chronic exposure:** no data available

**Aggravation of pre-existing conditions:** no data available

**Specific Target Organ Toxicity – Single Exposure:** no data available

**Specific Target Organ Toxicity – Repeated Exposure:** no data available

**Germ Cell Mutagenicity:** no data available

**Reproductive Toxicity:** no data available

**Aspiration Hazard:** no data available



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## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No information available.

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Do not contaminate water, food, or feed by disposal.

**PRODUCT DISPOSAL:** Disposal of contents/container must be in compliance with local, state, and federal laws and regulations (contact local or state environmental agency for specific rules).

**EMPTY CONTAINER:** Empty containers must be handled properly due to product residue.

## 14. TRANSPORT INFORMATION

**SHIPPING DESCRIPTION:** Not regulated for ground transportation by US DOT.

## 15. REGULATORY INFORMATION

### **SARA TITLE III (Superfund Amendments and Reauthorization Act)**

**311 / 312 Hazard Categories** – To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**313 Reportable Ingredients** – To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**302 / 304 Emergency Planning** – To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

**CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65)** – This product contains no chemicals known to the state of California to cause cancer or reproductive toxicity.

**TRACE ELEMENTS:** Trace ingredients (if any) are present in < 1% concentration (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute a significant additional hazard at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), US State equivalents, and Canadian Hazardous Material Identification System Standard (CPR 4)

## 16. OTHER INFORMATION

**REASON FOR ISSUE:** Initial

**APPROVAL BY:** Technical Services Manager

**DISCLAIMER OF LIABILITY:** Tigris, LLC makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user's responsibility to determine the safety, toxicity and suitability of the use, handling and disposal of this product. Since actual use by others is beyond our control; no warranty, expressed or implied, is made by Tigris, LLC as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does Tigris, LLC assume liability arising out of the use by others of this product referred to herein. The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other materials or in any process.



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