

**BT EG HTF-PART 2**  
**Heat Transfer Fluid**  
**Rev 3/11/21**

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## SECTION 1: Identification

### Product identifier

Product name BT EG HTF-Part 2  
Product description Heat Transfer Fluid for use in Ethylene Glycol

### Supplier's details

Name Blend Tech, Inc.  
PO Box 3679 Carson City, NV 89702-3679  
Phone 714.334.8867  
<http://blendtech.biz/>

Emergency phone number(s) Professional Emergency Resource Services  
Domestic: 800-633-8253  
International: 8014-629-0667

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## SECTION 2: Hazard identification

### Classification of the substance or mixture

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

### Classification of the product

Acute Tox.	4 (oral)	Acute toxicity
Skin Corr./Irrit.	1A	Skin corrosion/irritation
Eye Dam./Irrit.	1	Serious eye damage/eye irritation
Aquatic Acute	2	Hazardous to the aquatic environment-acute
Aquatic Chronic	2	Hazardous to the aquatic environment-chronic

### GHS label elements, including precautionary statements

#### Pictogram



#### Signal word

**Danger**

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**Hazard statement(s)**

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

**Precautionary statement (Prevention):**

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P273	Avoid release to the environment.
P260	Do not breathe dust or mist.
P270	Do not eat, drink or smoke when using this product.
P264	Wash with plenty of water and soap thoroughly after handling.

**Precautionary Statements (Response):**

P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor/physician.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301 + P330 + P331	IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P391	Collect spillage.

**Precautionary Statements (Storage):**

P405	Store locked up.
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**Precautionary Statements (Disposal):**

P501	Dispose of contents/container to hazardous or special waste collection point.
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**SECTION 3: Composition/information on ingredients****Mixtures****Hazardous components****1. Sodium Tolyltriazole**

Concentration	49-50 % (Weight)
CAS no.	64665-57-2

**Trade secret statement (OSHA 1910.1200(i))**

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

**SECTION 4: First-aid measures****Description of necessary first-aid measures**

General advice	Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.
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If inhaled	Remove to fresh air. If not breathing, give artificial respiration. Get immediate medical attention.
In case of skin contact	Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. If irritation develops, seek medical attention
In case of eye contact	Flush eye with water for 15 minutes. Get medical attention.
If swallowed	Do NOT induce vomiting. Give victim large quantities of water. Call a physician or poison control center immediately.
Personal protective equipment for first-aid responders	No data available.

### **Most important symptoms/effects, acute and delayed**

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.

Hazards: No applicable information available.

### **Indication of immediate medical attention and special treatment needed, if necessary**

Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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## **SECTION 5: Fire-fighting measures**

### **Suitable extinguishing media**

Water spray, dry powder, foam

### **Specific hazards arising from the chemical**

Hazards during fire-fighting: harmful vapors. Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

### **Special protective actions for fire-fighters**

Wear a self-contained breathing apparatus in confined areas or when exposed to combustion products.

### **Further information:**

Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## **SECTION 6: Accidental release measures**

### **Personal precautions, protective equipment and emergency procedures**

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8.

### **Environmental precautions**

Do not flush to sewer.

### **Methods and materials for containment and cleaning up**

Clean up spills immediately, observing precautions in Exposure Protection section of this SDS. Flush with a water spray. Pick up wash liquid with absorbent or vacuum and place in a disposable container. Large spills should be handled according to a predetermined plan.

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## SECTION 7: Handling and storage

### Precautions for safe handling

Use with adequate ventilation. Follow all SDS/label precautions even after container is emptied because they may retain product residues.

### Conditions for safe storage, including any incompatibilities

Contents may develop pressure upon prolonged storage. Loosen closure cautiously before opening.

### Specific end use(s)

Always add water with constant stirring to avoid generation of excessive amounts of heat.

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## SECTION 8: Exposure controls/personal protection

### Control parameters

No exposure limits noted for ingredient(s).

### Appropriate engineering controls

Local exhaust ventilation may be necessary to control any air containments to within their PELs (TLVs) during the use of this product.

### Individual protection measures, such as personal protective equipment (PPE)

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Respiratory protection in case of vapor/aerosol release.

#### Hand protection:

Wear chemical resistant protective gloves.

#### Eye protection:

Tightly fitting safety goggles (chemical goggles) and face shield.

#### Body protection:

Impermeable protective clothing

#### General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice.

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## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance/form	Amber Liquid
Odor	Characteristic
pH	11.5 - 12.0 @ 25°C
Melting point/freezing point	14 - 23 °F
Initial boiling point and boiling range	222.8 °F
Flash point	> 200 °F
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Vapor pressure	25 mbar @ 68°F

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Vapor density	No data available.
Relative density	1.18 g/cm <sup>3</sup> @ 68 °F
Solubility(ies)	Miscible
Auto-ignition temperature	> 932 °F

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## SECTION 10: Stability and reactivity

### Reactivity

No data available.

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No data available.

### Conditions to avoid

Oxidizing and reducing agents.

### Incompatible materials

None known

### Hazardous decomposition products

Carbon monoxide, carbon dioxide, and oxides of nitrogen may be released by fire.

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## SECTION 11: Toxicological information

### Acute toxicity

Assessment of acute toxicity: The toxicity of the product is based on its corrosivity.

#### Oral

Type of value: LD50

Species: rat

Value: 1,000 - 2,000 mg/kg

#### Inhalation

No applicable information available.

#### Dermal

Type of value: LD50

Species: rabbit

Value: > 2,000 mg/kg

### Assessment other acute effects

No applicable information available.

### Irritation / corrosion

Assessment of irritating effects: Based on its pH, the product is regarded as corrosive.

Corrosive! Damages skin and eyes.

Irritating to respiratory system.

### Skin

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Species: rabbit  
Result: Corrosive.

**Eye**

Species: rabbit  
Result: Corrosive.

**Sensitization**

Assessment of sensitization: No sensitizing effect.  
Species: guinea pig  
Result: Non-sensitizing.

**Chronic Toxicity/Effects****Repeated dose toxicity**

Assessment of repeated dose toxicity: No applicable information available.

**Genetic toxicity**

Assessment of mutagenicity: Based on the ingredients, there is no suspicion of a mutagenic effect.

**Carcinogenicity**

Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.

**Reproductive toxicity**

Assessment of reproduction toxicity: Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

**Other Information**

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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**SECTION 12: Ecological information****Toxicity**

Aquatic toxicity

Assessment of aquatic toxicity:

Acutely toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Toxicity to fish

LC50 (96 h) approx. 25 mg/l, *Salmo gairdneri*, syn. *O. mykiss*

The ecological data given are those of the active ingredient.

Aquatic invertebrates

EC50 (96 h) 280 mg/l, *Daphnia magna*

The ecological data given are those of the active ingredient.

Aquatic plants

EC50 (72 h) 26.2 mg/l (growth rate), *Selenastrum capricornutum*

The ecological data given are those of the active ingredient.

**Persistence and degradability**

Elimination information: 70 % (28 d) Readily biodegradable

**Bioaccumulative potential**

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No data available.

**Mobility in soil**

No data available.

**Other ecotoxicological advice:**

Do not discharge product into the environment without control.

**SECTION 13: Disposal considerations**

**Disposal of the product**

Dispose of all waste in accordance with federal, state, and local regulations. Not a hazardous waste under RCRA (40 CFR 261).

**Disposal of contaminated packaging**

Dispose of as unused product.

**SECTION 14: Transport information**

Technical shipping name ..... Tolyltriazole, sodium salt, aqueous solution 50%  
 Freight class-bulk ..... Chemicals, NOI  
 Freight class-package ..... Chemicals, NOI (NMFC 60000)  
 Product label ..... Sodium Tolyltriazole 50%

**D.O.T. (domestic surface)**

Proper shipping name ..... Corrosive liquid N.O.S.  
 Hazard class or division..... 8  
 UN/NA number ..... UN 1760  
 Packaging group ..... PG III



Reportable quantities ..... None  
 Hazard label ..... Corrosive  
 Hazard placard ..... Corrosive

**IMO / IMDG Code (ocean)**

Proper shipping name ..... Corrosive liquid N.O.S.  
 Hazard class or division..... 8  
 UN/NA number ..... UN 1760  
 Packaging group ..... PG III  
 Hazard label ..... Corrosive  
 Hazard placard ..... Corrosive

**ICAO / IATA (air)**

Proper shipping name ..... Corrosive liquid N.O.S.  
 Hazard class or division..... 8  
 UN/NA number ..... UN 1760  
 Subsidiary Risk ..... None  
 Packaging group ..... PG III

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Hazard label ..... Corrosive  
 Radioactive ..... Non-radioactive  
 Passenger air – max. qty. .... 5 L  
 Passenger packing instructions ..... 818  
 Cargo air – max. qty. .... 60 L  
 Cargo air packing instructions ..... 820

**SECTION 15: Regulatory information**

**Safety, health and environmental regulations specific for the product in question**

**OSHA Status** ..... This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200

**TSCA Status**..... On TSCA inventory

**CERCLA Reportable Quantity**..... None

**SARA Title III**

Section 302 (Extremely Hazardous Substances) ..... None  
 Section 311/312 (Hazardous categories) ..... Immediate Health Hazard  
 Section 313 (Toxic Chemicals) ..... None

**RCRA Status** ..... When discarded in its purchased form, this product meets the criteria of corrosivity, and should be managed as a hazardous waste (EPA Hazardous Waste Number D002), (CFR 261.20-24)

**Pennsylvania Right To Know Components**

Sodium Tolyltriazole  
 CAS-No. 64665-57-2

**New Jersey Right To Know Components**

Sodium Tolyltriazole  
 CAS-No. 64665-57-2

**SECTION 16: Other information**

**NFPA Hazard codes:**

**Health : 3**  
**Fire: 1**  
**Reactivity: 0**  
**Special:**

**HMIS III rating**

**Health: 3**  
**Flammability: 1**  
**Physical hazard: 0**



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