



**HANGSTERFER'S®**

Research, Development & Manufacturing of Metalworking Lubricants

# Safety Data Sheet

Issue Date 04-30-2015

Revision date 01-20-2014

Revision Number 1

## 1. Identification of the Substance/Preparation and of the Company/Undertaking

### Product identifier

Product name **CT-11**

### Other means of identification

### Recommended use of the chemical and restrictions on use

Material Uses Coolant.  
Uses advised against Verify Applications

### Details of the supplier of the safety data sheet

#### Manufacturer

Hangsterfer's Laboratories, Inc., 175 Ogden Road, Mantua, NJ 08051; Phone 856-468-0216, Fax 856-468-0200, Website: www.hangsterfers.com

#### Emergency telephone number

Emergency telephone number Chemtrec 1-800-424-9300 in US/Canada 1-613-996-6666 in Canada For international assistance, dial Chemtrec US number 1-703-527-3887

## 2. Hazards Identification

Prepared according to OSHA Hazard Communication Standard (29 CFR 1910.1200) and ANSI MSDS Standard (Z400.1). Complies with Canadian Workplace Hazardous Materials Information System (WHMIS) standards.

### Classification

Skin sensitization	Category 1
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### Label Elements

#### EMERGENCY OVERVIEW

#### WARNING

#### Hazard statements

May cause an allergic skin reaction



Appearance Amber

Physical state Liquid

Odor Mild

#### Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves

#### Precautionary Statements - Response

Specific treatment (see .? on this label)  
IF ON SKIN: Wash with plenty of soap and water  
If skin irritation or rash occurs: Get medical advice/attention

Wash contaminated clothing before reuse

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other Information**

26.9541% of the mixture consists of ingredient(s) of unknown toxicity

**3. Composition/information on Ingredients**

**Chemical Family** Synthetic Fluid.

Chemical name	CAS-No	Weight-%
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine	4719-04-4	1.4915

**4. First aid measures****First aid measures**

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If eye irritation persists, consult a physician if necessary.

**Skin contact** Wash skin with soap and water. Consult a physician if necessary.

**Inhalation** Remove to fresh air. Consult a physician if necessary.

**Ingestion** Do NOT induce vomiting. Drink plenty of water. Consult a physician if necessary.

**Most important symptoms and effects, both acute and delayed**

**Symptoms** None known.

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**5. Fire-fighting measures****Suitable extinguishing media**

Not applicable.

**Unsuitable extinguishing media** Do not use a solid water stream as it may scatter and spread fire.

**Specific hazards arising from the chemical**

None.

**Hazardous combustion products** Carbon oxides.

**Protective equipment and precautions for firefighters**

Move containers from fire area if you can do it without risk.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Avoid contact with skin and eyes. Wear boots, gloves and protective suit when handling large spills. Ensure adequate ventilation.

**Other Information** Report spills as required to the appropriate authorities.

**Environmental precautions**

**Environmental precautions** No information available.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so. Dike to collect large liquid spills.

**Methods for Clean-Up** Take up mechanically, placing in appropriate containers for disposal.

## 7. Handling and Storage

**Precautions for safe handling**

**Handling** Avoid contact with eyes. Keep container in a well-ventilated place. Do not puncture, crush or incinerate containers.

**Conditions for safe storage, including any incompatibilities**

**Storage** Keep container tightly closed in a dry and well-ventilated place. Keep away from direct sunlight. Keep away from heat.

**Incompatible materials** Acids and oxidizing agents.

## 8. Exposure Controls/Personal Protection

**Control parameters**

**Exposure guidelines** The table below lists known exposure levels for any components of this product which are considered hazardous. Keep in mind, however, that these exposure levels are for air levels of the individual ingredients as measured by specific analytical methods.

**Appropriate engineering controls**

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Safety glasses with side-shields.

**Skin and Body Protection** Use protective gloves and clothing if contact with product is likely.

**Respiratory protection** If personal exposure levels cannot be maintained below accepted exposure limits, NIOSH/MSHA approved respiratory protection should be worn.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

<b>Physical state</b>	Liquid	<b>Odor</b>	Mild
<b>Appearance</b>	Amber	<b>Odor threshold</b>	No information available
<b>Color</b>	Amber		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	8.7	
<b>Melting point / freezing point</b>	-	May begin to solidify at 0 °C / 32 °F
<b>Boiling point</b>	100 °C / 212 °F	
<b>Flash point</b>	Not flammable	
<b>Evaporation rate</b>	No information available	

<b>Flammability (solid, gas)</b>	No information available
<b>Flammability Limit in Air</b>	
<b>Upper flammability limit</b>	No unusual hazard
<b>Lower flammability limit</b>	No unusual hazard
<b>Vapor pressure</b>	<0.01 mmHg @ 20 °C
<b>Vapor density</b>	> 1
<b>Specific gravity</b>	1.07
<b>Water solubility</b>	Soluble in water
<b>Solubility in other solvents</b>	No information available
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No unusual hazard
<b>Decomposition temperature</b>	No unusual hazard
<b>Kinematic viscosity</b>	6 cSt @ 40°C / 45 SUS @ 100°F
<b>Dynamic viscosity</b>	No information available
<b>VOC Content, % Vol</b>	Request additional information

## 10. Stability and Reactivity

### Reactivity

No unusual hazard

### Chemical stability

Stable under normal conditions.

### Possibility of hazardous reactions

None under normal use conditions.

**Hazardous polymerization** Hazardous polymerization does not occur.

### Conditions to avoid

No additional remarks.

### Incompatible materials

Acids and oxidizing agents.

### Hazardous decomposition products

Carbon oxides.

## 11. Toxicological Information

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	No unusual hazard.
<b>Eye contact</b>	No data available.
<b>Skin contact</b>	No data available.
<b>Ingestion</b>	No unusual hazard.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine 4719-04-4	= 763 mg/kg ( Rat )	> 2 g/kg ( Rat )	

### Information on toxicological effects

**Symptoms** No information available.

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

<b>Sensitization</b>	Repeated or prolonged contact may cause allergic reactions in very susceptible persons.
<b>Mutagenic Effects</b>	No known effect.
<b>Carcinogenicity</b>	No known effect.
<b>Reproductive effects</b>	No known effect.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Chronic toxicity</b>	No known effect.
<b>Aspiration Hazard</b>	No unusual hazard.

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 26.9541% of the mixture consists of ingredient(s) of unknown toxicity

**12. Ecological Information****Ecotoxicity**

30.9788% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Freshwater Algae	Freshwater Fish	Microtox	Water Flea
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine 4719-04-4	No information available		EC50 = 28.9 mg/L 15 min	

**Persistence/Degradability**

No information available

**Other adverse effects**

None known

**13. Disposal Considerations****Waste treatment methods**

**Waste Disposal Method** Dispose of in accordance with federal, state and local regulations.

**Contaminated packaging** Do not reuse empty containers.

**14. Transport Information****DOT**

<b>UN-No</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>Hazard Class</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Labels</b>	Not regulated
<b>Description</b>	Not regulated

**TDG**

<b>UN-No</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>Hazard Class</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Labels</b>	Not regulated
<b>Description</b>	Not regulated

**IMDG/IMO**

<b>UN-No</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>Hazard Class</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Labels</b>	Not regulated
<b>Description</b>	Not regulated

**ADR/RID**

<b>UN-No</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>Hazard Class</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>ADR/RID-Labels</b>	Not regulated
<b>Description</b>	Not regulated

**IATA**

<b>UN-No</b>	Not regulated
<b>Proper shipping name</b>	Not regulated
<b>Hazard Class</b>	Not regulated
<b>Labels</b>	Not regulated
<b>Packing group</b>	Not regulated
<b>Description</b>	Not regulated

PG\* : Packing group

**15. Regulatory information****US Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical name	CAS-No	Weight-%	SARA 313 - Threshold Values %
Hexahydro-1,3,5-tris(2-hydroxyethyl)-S-triazine - 4719-04-4	4719-04-4	1.4915	

**SARA 311/312 Hazard Categories**

<b>Acute health hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**U.S. Regulations & Inventories****California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

The table below lists any regulatory or inventory listing information found for ingredients of this product which are considered hazardous. All other components are either listed on the TSCA inventory or are exempt from listing. See Section 16 for explanation of column headings.

**U.S. EPA Label information**

**EPA Pesticide registration number** Not applicable

**CANADA****16. Other information**

<b><u>NFPA</u></b>	HEALTH 1	Flammability 0	Instability 0	Physical hazard -
<b><u>HMIS</u></b>	HEALTH 1	Flammability 0	Physical Hazards 0	Personal Protection -

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Revision Summary	

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

**End of SDS**