

HCC ID: 510121-H01-070322

**HOUGHTON CHEMICAL CORPORATION  
MATERIAL SAFETY DATA SHEET**

**"SAFE-T-THERM 30%"**

**SECTION 1  
IDENTIFICATION**

**MANUFACTURER:** Houghton Chemical Corporation

**ADDRESS:** 52 Cambridge Street, Allston, MA 02134

**EMERGENCY TELEPHONE:** (617) 254-1010, 1-800-777-2466 or  
Chemtrec 1-800-424-9300

**CHEMICAL NAME & SYNONYMS:** Non-Toxic Antifreeze

**CHEMICAL FAMILY:** Propylene Glycol Based

**FORMULA:** Trade Secret

**CAS REGISTRY NUMBER:** Not Applicable for blended product

**DOT SHIPPING CLASSIFICATION:** Not Regulated

**PRODUCT NUMBER:** 51121, 52121, 55121

**SECTION 2  
HAZARDOUS INGREDIENTS**

<b>MATERIAL</b>	<b>CAS #</b>	<b>%</b>	<b>TLV (Units)</b>
Propylene Glycol	57-55-6	28	not applicable
Water	7732-18-5	71	not applicable
Corrosion Inhibitors	TSR# 80100075-5002P	1	not applicable

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**SECTION 3**  
**PHYSICAL DATA**

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**BOILING POINT:** 218°F  
**FREEZING POINT:** +6°F  
**SPECIFIC GRAVITY:** 1.06  
**VAPOR PRESSURE AT 20°C:** 0.1  
**VAPOR DENSITY (air = 1):** 2.1  
**SOLUBILITY IN WATER:** Complete  
**% VOLATILE BY VOLUME:** Greater than 95%  
**EVAPORATION RATE:** Less than 1  
**APPEARANCE AND ODOR:** Distinct Orange, odorless

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**SECTION 4**  
**FIRE AND EXPLOSION HAZARD DATA**

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**FLASH POINT:** None  
**AUTO IGNITION TEMPERATURE:** None  
**FLAMMABLE LIMITS IN AIR:** Not applicable  
**EXTINGUISHING MEDIA:** Not applicable  
**SPECIAL FIRE FIGHTING PROCEDURES:** Not applicable  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

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**SECTION 5**  
**REACTIVITY DATA**

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**STABILITY:** This material is stable  
**INCOMPATIBILITY:** Keep away from strong oxidizing agents  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Not applicable  
**HAZARDOUS POLYMERIZATION:** Will not occur

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**SECTION 6**  
**HEALTH HAZARD DATA**

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<b>THRESHOLD LIMIT VALUE:</b>	Nuisance Dust 15 mg/M <sup>3</sup> 8 Hours
<b>EFFECTS OF OVEREXPOSURE:</b>	Slight irritation to eyes and skin.
<b>Eye Contact:</b>	Irritation may result.
<b>Skin:</b>	No significant symptoms expected.
<b>Inhalation:</b>	This material is not expected to be a respiratory hazard except as an aspirator hazard. If swallowed, can enter lungs and cause damage.
<b>Ingestion:</b>	No significant signs or symptoms are expected.
<b>EMERGENCY AND FIRST AID PROCEDURES:</b>	
<b>Eyes:</b>	Flush with water for at least 15 minutes.
<b>Skin:</b>	Flush with and wash with mild soap if available.
<b>Inhalation:</b>	Remove to fresh air.
<b>Ingestion:</b>	Do not induce vomiting, aspiration may cause lung damage; seek medical advice.

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**SECTION 7**  
**SPILL OR LEAK PROCEDURES**

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**STEPS TO BE TAKEN IN CASE THE MATERIAL IS SPILLED OR RELEASED:**

This liquid is biodegradable but large spills may contaminate public waters. Prevent flow to sewers/public waters. Restrict clean up water use. Notify water supply environment authorities. Impound/recover large land spills. Soak up small spills with absorbent material. Use suitable disposal containers. High biodegradability can stimulate algae growth. Dispose residue to reduce possible aquatic harm.

**WASTE DISPOSAL METHOD:**

Consult with local sewer, municipal, state and/or federal agencies to determine appropriate current disposal options.

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**SECTION 8**  
**SPECIAL PROTECTIVE INFORMATION**

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<b>RESPIRATORY PROTECTION:</b>	Not applicable
<b>VENTILATION:</b>	None needed under anticipated conditions of normal use beyond that needed for normal comfort control.
<b>PROTECTIVE GLOVES:</b>	If contact with hot liquid possible use suitable protective gloves.
<b>EYE PROTECTION:</b>	If contact with hot liquid possible use suitable splash goggles and face shield.
<b>OTHER PROTECTIVE EQUIPMENT:</b>	Not applicable

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**SECTION 9**  
**SPECIAL PRECAUTIONS**

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Follow good work/hygiene practices. Provide safety shower and wash in immediate area. Workers should wash with soap and water before eating, smoking or using toilet facilities. Launder contaminated clothing before re-use.