

**INTERSTATE CHEMICAL COMPANY, INC.**

2797 Freedland Road  
Hermitage, Pennsylvania 16148-0210  
Phone: 724-981-3771  
Fax: 724-981-8383



# MSDS FAX COVER PAGE

Interstate Chemical Company, Phone: 724-981-3771, Fax: 724-981-8383

To: HYDRONIC SPECIALTIES CO

Fax Number: 15104343140

From: Customer Service

Pages: 6

Date: 8/7/2008

## ATTENTION

### MSDS Coordinator,

Enclosed are the Material Safety Data Sheets which provide information on the products which you have recently purchased. These Material Safety Data Sheets represent a revision, new product, or a notification of the presence of a SARA 313 chemical.

These sheets are provided in compliance with OSHA Hazard Communication Standard 29 CFR 1910.1200 and SARA Section 313 (40 CFR 372.45). If you resell or distribute this product, you must furnish a copy of the MSDS to your customers, advising them of their obligations to communicate the information provided. We appreciate your business and the confidence you place in us as your supplier. Our goal is to meet or exceed your expectations for quality and service.

Sincerely,

Interstate Chemical Company, Inc.



Member of the National Association of Chemical Distributors



**MATERIAL SAFETY DATA SHEET**

Customer's Use



Date Issued: 01/14/2005  
MSDS No: ICC-02136  
Date Revised: 03/14/2008  
Revision No: 3

**INTERCOOL P-323****1. PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NAME:** INTERCOOL P-323  
**GENERAL USE:** Heat Transfer Fluid  
**PRODUCT DESCRIPTION:** Inhibited Propylene Glycol  
**PRODUCT CODE:** 227900  
**PRODUCT FORMULATION NAME:** INTERCOOL P-323  
**CHEMICAL FAMILY:** Glycol  
**GENERIC NAME:** Inhibited Propylene Glycol  
**ACTIVE INGREDIENT(S):** Corrosion Inhibitor

**MANUFACTURER**

Interstate Chemical Company, Inc.  
Corporate Headquarters-Hermitage  
2797 Freedland Road  
Hermitage PA 16148  
**Emergency Contact:** F. James Corbett,  
Director of Quality & EH&S  
**Product Stewardship:** 800-422-2436  
**Alternate Emergency Phone:** 724-981-3771  
**Transportation:** 800-422-2436  
**Alternate Transportation Phone:** 724-981-3771  
**Service Number:** 800-422-2436  
**Alternate Customer Service:** 724-981-3771

**24 HR. EMERGENCY TELEPHONE NUMBERS**

800-ICC-CHEM

**COMMENTS:** This product contains propylene glycol which is on the FDA's GRAS (GENERALLY REGARDED AS SAFE) list. Dispose of in accordance with all applicable local, state, and federal regulations. For assistance with your waste management/environmental service needs including waste disposal and recycling, please contact Interstate Chemical Environmental Services at 800-422-2436 ext. 1703 or email us at [environmentalservices@interstatechemical.com](mailto:environmentalservices@interstatechemical.com)

**2. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Substance can cause skin, eye, and respiratory tract irritation/burning.

**IMMEDIATE CONCERNS:** Warning! May be harmful if swallowed. Maybe harmful if inhaled or absorbed through skin. May cause allergic skin reaction. May cause irritation to skin, eyes, and respiratory tract.

**POTENTIAL HEALTH EFFECTS**

**EYES:** May cause irritation.

**SKIN:** Minor skin irritation and penetration may occur

**INGESTION:** Relatively non-toxic. Ingestion of sizable amount (over 100ml) may cause some gastrointestinal upset and temporary central nervous system depression. Effects appear more severe

In individuals with kidney problems

**INHALATION:** Vapor Inhalation is generally not a problem unless heated or misted.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
Propylene Glycol	> 95	00057-55-6
Corrosion Inhibitor	< 5	

### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

**SKIN:** Remove contaminated clothing. Wash with soap and water. Get medical attention.

**INGESTION:** Not expected to require first aid measures. Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

### 5. FIRE FIGHTING MEASURES

**FLASHPOINT AND METHOD:** (210°F) ASTM D56

**FLAMMABLE LIMITS:** 2.6 to 12.5

**AUTOIGNITION TEMPERATURE:** (700°F)

**EXTINGUISHING MEDIA:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.

**OTHER CONSIDERATIONS:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode. Move exposed containers from fire area, if it can be done without risk. Use water to keep fire-exposed containers cool.

### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb liquid and place in sealed container for disposal.

**LARGE SPILL:** Ventilate area of leak or spill. Remove all sources of ignition. Contain and recover liquid when possible. Do not flush to sewer.

#### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** When released into water, this material is expected to readily biodegrade.

**LAND SPILL:** When released into the soil, this material is expected to readily biodegrade.

**AIR SPILL:** When released into the air, this material is expected to have a half-life between 1 and 10 days.

**GENERAL PROCEDURES:** Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible

materials, such as saw dust. Do not flush to sewer!

## 7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Protect container from physical damage. Store in a cool, dry, ventilated area away from sources of heat, moisture, and incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

**HANDLING:** Store in adequate storage area at ambient temp.

**STORAGE:** Store in a cool dry place. Keep from freezing.

**STORAGE TEMPERATURE:** (20°F) Minimum to (150°F) Maximum

**LOADING TEMPERATURE:** (20°F) Minimum to (150°F) Maximum

**LOADING/UNLOADING VISCOSITY:** ~ 20 centipoise

**SHELF LIFE:** Greater than one year when stored in its original container at the recommended storage temperature with the bungs closed.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear safety glasses with side shields (or goggles) and a face shield.

**SKIN:** Wear suitable protective clothing and gloves.

**RESPIRATORY:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

**PROTECTIVE CLOTHING:** Wear protective gloves and clean body-covering clothing. Chemically resistant protective clothing and boots may be required.

**OTHER USE PRECAUTIONS:** If the exposure limit is exceeded, a half-face respirator with an organic vapor cartridge and particulate filter (NIOSH type P95 or R95 filter) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece respirator with an organic vapor cartridge and particulate filter (NIOSH P100 or R100 filter) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. Please note that N series filters are not recommended for this material. For emergencies or instances where the exposure levels are not known, use a full-face piece positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Odorless

**APPEARANCE:** Clear, colorless liquid

**COLOR:** Colorless

**pH:** 8.0 to 9.5

**PERCENT VOLATILE:** Not Determined

**VAPOR PRESSURE:** ~ 0.129 mmHg at (77°F)

**VAPOR DENSITY:** 2.6 (Air=1)

**BOILING POINT:** (370°F)

**FREEZING POINT:** < -60°C Freezing Point Chart

**FLASHPOINT AND METHOD:** (210°F) ASTM D56

**SOLUBILITY IN WATER:** Miscible

**EVAPORATION RATE:** < 1 (n-Butyl Acetate=1)

**DENSITY:** 8.64 lbs/gal at (60°F)

**SPECIFIC GRAVITY:** 1.036 (water=1) at 20°C

**VISCOSITY #1:** 20 Centipoise at (68°F)

**WEIGHT PER VOLUME:** 8.64 lbs/gal

#### 10. STABILITY AND REACTIVITY

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** No

**CONDITIONS TO AVOID:** Oxidizing materials.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide and carbon monoxide may form when heated to decomposition. Aldehydes or lactic, pyruvic or acetic acids may also be formed.

**INCOMPATIBLE MATERIALS:** Heat, flames, ignition sources and incompatibles.

#### 11. TOXICOLOGICAL INFORMATION

**GENERAL COMMENTS:** Oral rat LD50: 20g/kg. Skin rabbit LD50: 20.8g/kg. Irritation: Eye rabbit/Draize, 500 mg/24H mild.

#### 12. ECOLOGICAL INFORMATION

**CHEMICAL FATE INFORMATION:** When released into the soil, this material is expected to readily biodegrade. When released into the soil, this material is expected to leach into groundwater. When released into water, this material is expected to readily biodegrade. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life between 1 and 10 days.

#### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility.

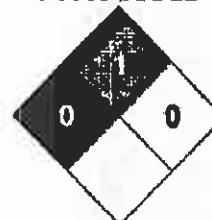
**EMPTY CONTAINER:** Dispose of container and unused contents in accordance with federal, state and local requirements.

**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** Not Regulated by DOT**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No**TSCA (TOXIC SUBSTANCE CONTROL ACT)****TSCA REGULATORY:** This material is listed on the EPA TSCA Inventory of Chemical Substances**CALIFORNIA PROPOSITION 65:**

This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

**16. OTHER INFORMATION****REASON FOR ISSUE:** Revised MSDS**APPROVED BY:** Jerry Johns **TITLE:** Environmental Analyst**PREPARED BY:** F. James Corbett**INFORMATION CONTACT:** 800-422-2436 x 1156**REVISION SUMMARY:** Revision #: 3 This MSDS replaces the August 01, 2006 MSDS. Any changes in information are as follows:**HMS RATING**

<b>HEALTH:</b>	<b>0</b>
<b>FLAMMABILITY:</b>	<b>1</b>
<b>PHYSICAL HAZARD:</b>	<b>0</b>
<b>PERSONAL PROTECTION:</b>	<b>B</b>

**NFPA CODES**

**MANUFACTURER DISCLAIMER:** Interstate Chemical Company, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.