



INTERSTATE CHEMICAL CO.

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September 27, 2014

Attn: Regulatory Manager
SCHOOLCRAFT COLLEGE
18600 HAGGERTY
LIVONIA, MI 48150-
USA

Dear Regulatory Manager:

REF: MSDS UPDATE - PRODUCTS LIST

Following is the List of Products - Material Safety Data Sheets which provide information on the products that 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. Our shipping information indicates that the following products have been shipped to your above stated location.

PRODUCT NAMES:

INTERCOOL P-300 30/70

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 these products, 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.

MATERIAL SAFETY DATA SHEET

Updated MSDS



Date Issued: 02/28/2005

MSDS No: ICC-02163

Date-Revised: 03/04/2010

Revision No: 5

INTERCOOL P-300 30/70**1. PRODUCT AND COMPANY IDENTIFICATION****PRODUCT NAME:** INTERCOOL P-300 30/70**GENERAL USE:** Heat Transfer Fluid**PRODUCT DESCRIPTION:** Propylene glycol based heat transfer fluid**PRODUCT FORMULATION NAME:** INTERCOOL P-300 30/70**CHEMICAL FAMILY:** Glycol**ACTIVE INGREDIENT(S):** Propylene Glycol**24 HR. EMERGENCY TELEPHONE
NUMBERS****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

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

2. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

PHYSICAL APPEARANCE: Substance may cause skin and eye irritation.

IMMEDIATE CONCERNS: Irritating to eyes, respiratory system and skin.

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.

4. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS
Propylene Glycol	~ 30	57-55-6	
Corrosion Inhibitors and Buffers	< 10	mixture	
Yellow Dye	< 1	6417-85-2	
Deionized Water	~ 70	7732-18-5	231-791-2

5. 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.

6. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: Not Flammable

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.

7. 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!

8. 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: No information found

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

B. 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: For brief contact, no precautions other than clean body-covering clothing should be needed. When prolonged or frequently repeated contact could occur, use chemical protective clothing made from butyl rubber. Selection of specific items such as gloves, boots, apron, full-body suit, etc. will depend on local operation.

RESPIRATORY: For most conditions, no respiratory protection should be needed, however, in dusty atmospheres, use a NIOSH approved dust respirator.

PROTECTIVE CLOTHING: Where splashing is possible, full chemically resistant protective clothing and boots may be required.

WORK HYGIENIC PRACTICES: Establish good personal hygiene and work practices. Always wash hands and face before eating, drinking or smoking. Provide safety shower and eye wash station in work area.

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.

C. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Odorless

APPEARANCE: Clear, yellow liquid.

COLOR: Fluorescent yellow

pH: 8.0 to 9.5

PERCENT VOLATILE: Not Determined

VAPOR PRESSURE: ~ 7 mmHg at (60°F)

VAPOR DENSITY: > 1 (Air=1)

BOILING POINT: (214°F) Boiling Point Chart

FREEZING POINT: (9°F) Freezing Point Chart

FLASHPOINT AND METHOD: Not Flammable

SOLUBILITY IN WATER: Completely Miscible

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

DENSITY: 8.59 lbs/gal at (60°F)

SPECIFIC GRAVITY: 1.030 (water=1) at 20°C

VISCOSITY #1: ~ 8 Centipoise at (68°F)

(VOC): ~ 30.000 % by volume Calculated

WEIGHT PER VOLUME: 8.59 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 of 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.

4. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated by DOT

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not regulated

5. 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

CANADA

WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Not listed on the toxic substances in schedule 1 of the Canadian Environmental Protection Act, 1999 (CEPA 1999).

6. OTHER INFORMATION

REASON FOR ISSUE: Revised MSDS

APPROVED BY: F. James Corbett **TITLE:** Director of Quality & EH&S

PREPARED BY: F. James Corbett

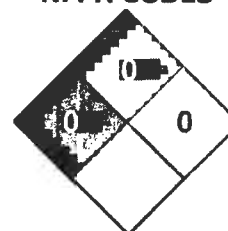
INFORMATION CONTACT: 800-422-2436 x 1136

REVISION SUMMARY: Revision #: 5. This MSDS replaces the June 16, 2008 MSDS., Any changes in information are as follows: In Section 1: Approved by, Title, Information Contact, MSDS Product Code, MSDS Classification In Section 8: Skin Protection, Eyes-Face Protection, Respiratory Protection, Work Hygienic Practices, Clothing Protection

HMIS RATING

HEALTH: HAZARDOUS	0
HEALTH: IRRITANT	0
PHYSICAL HAZARD:	0
PERSONAL PROTECTION:	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.