



INTERSTATE CHEMICAL Co.

PHONE (724) 981-3771 FAX (724) 981-8383

November 25, 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 40/60

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.



SAFETY DATA SHEET

GHS Format



Date Issued: 02/06/2006
 MSDS No: ICC-02346
 Date-Revised: 10/01/2013
 Revision No: 4

INTERCOOL P-300 40/60**1. PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: INTERCOOL P-300 40/60
GENERAL USE: Heat Transfer Fluid
PRODUCT CODE: 23620
PRODUCT FORMULATION NAME: INTERCOOL P-300 40/60
CHEMICAL FAMILY: Glycols
GENERIC NAME: Inhibited Propylene Glycol
ACTIVE INGREDIENT(S): Propylene Glycol; Deionized Water; Corrosion Inhibitors and Buffers

MANUFACTURER

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

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

2. HAZARD IDENTIFICATION**GHS CLASSIFICATIONS**

Eye Irritation, Category 2B

GHS LABEL

SAFETY DATA SHEET

GHS Format



Date Issued: 02/06/2006

MSDS No: ICC-02346

Date-Revised: 10/01/2013

Revision No: 4

INTERCOOL P-300 40/60

PRECAUTIONARY STATEMENT(S)

Prevention:

52371Q2F: Avoid breathing mist/vapors/spray.

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.

P302+P352: IF ON SKIN: Wash with plenty of soap and water.

P301: IF SWALLOWED: Call a doctor immediately

Storage:

P402+P404: Store in a dry place. Store in a closed container.

P405: Store in a secure manner.

P102: Keep out of reach of children.

Disposal:

P501: Dispose of contents/container in accordance with local / regional / national / international regulations.

POTENTIAL HEALTH EFFECTS

EYES: May cause slight temporary irritation.**SKIN:** Non-irritating to the skin.**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	EINECS
Propylene Glycol	~ 40	57-55-6	
Deionized Water	~ 60	7732-18-5	231-791-2
Corrosion Inhibitors and Buffers	< 5	mixture	
Yellow Dye	< 1	6417-85-2	

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.

SAFETY DATA SHEET

GHS Format



Date Issued: 02/06/2006
 MSDS No: ICC-02346
 Date-Revised: 10/01/2013
 Revision No: 4

INTERCOOL P-300 40/60

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: None

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.

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

SAFETY DATA SHEET

GHS Format



Date Issued: 02/06/2006

MSDS No: ICC-02346

Date-Revised: 10/01/2013

Revision No: 4

INTERCOOL P-300 40/60

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.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Chemical Name	Solubility in Water	Specific Gravity
Propylene Glycol	Complete	1.036

PHYSICAL STATE: Liquid

ODOR: Odorless

APPEARANCE: Clear, yellow liquid.

COLOR: Fluorescent yellow

pH: 8.0 to 9.5

PERCENT VOLATILE: 60 at (68°F)

Notes: Volatile portion is water.

VAPOR PRESSURE: ~ 17 mmHg at (60°F)

VAPOR DENSITY: > 1 (Air=1)

BOILING POINT: ~ (218°F) Boiling Point Chart

FREEZING POINT: ~ (-6°F) Freezing Point Chart

FLASHPOINT AND METHOD: None

SOLUBILITY IN WATER: Completely Miscible

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

DENSITY: ~ 8.50 lbs/gal at (60°F)

SPECIFIC GRAVITY: ~ 1.020 (water=1) at 20°C

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

SAFETY DATA SHEET

GHS Format



Date Issued: 02/06/2006
 MSDS No: ICC-02346
 Date-Revised: 10/01/2013
 Revision No: 4

INTERCOOL P-300 40/60

WEIGHT PER VOLUME: 8.50 lbs/gal

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable under ordinary conditions of use and storage.

POLYMERIZATION: Product will not undergo polymerization.

CONDITIONS TO AVOID: Heat, flames, ignition sources and incompatibles

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: Strong Oxidizers

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

CANADA TRANSPORT OF DANGEROUS GOODS

SHIPPING NAME: Not regulated

15. REGULATORY INFORMATION

UNITED STATES

SAFETY DATA SHEET

GHS Format



Date Issued: 02/06/2006
 MSDS No: ICC-02346
 Date-Revised: 10/01/2013
 Revision No: 4

INTERCOOL P-300 40/60

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: No PRESSURE GENERATING: No REACTIVITY: No ACUTE: Yes CHRONIC: No

TSCA (TOXIC SUBSTANCE CONTROL ACT)

Chemical Name	CAS
Propylene Glycol	57-55-6

TSCA REGULATORY: The components of this blend are listed on the EPA TSCA Inventory of Chemical Substances.

TSCA STATUS: All ingredients in this mixture are in compliance with TSCA.

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).

16. OTHER INFORMATION

REASON FOR ISSUE: Updated MSDS (Customer's Request)

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

PREPARED BY: F. James Corbett

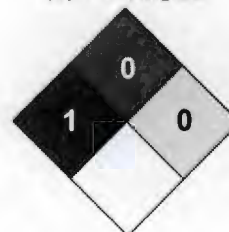
INFORMATION CONTACT: 800-422-2436 x 1136

REVISION SUMMARY: Revision #: 4. This MSDS replaces the May 02, 2012 MSDS. Any changes in information are as follows: In Section 1: Reason for Issue

HMIS RATING

HEALTH:	<input type="checkbox"/>	1
FLAMMABILITY:	<input type="checkbox"/>	0
PHYSICAL HAZARD:	<input type="checkbox"/>	0
PERSONAL PROTECTION:	<input type="checkbox"/>	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.