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Interstate Chemical Co.  
MSDS for INTERCOOL NFP-45

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## 1 -Section I - General Information

MANUFACTURER'S NAME: INTERSTATE CHEMICAL COMPANY, INC.

EMERGENCY TELEPHONE NUMBER: (724) 981-3771  
(800) 424-9300 (Chemtrec)ADDRESS (NUMBER, STREET, CITY, STATE, ZIP): 2797 Freedland Rd.  
Hermitage, Pa. 16148.

CHEMICAL NAME AND SYNONYMS: INHIBITED PROPYLENE GLYCOL

TRADE NAME AND SYNONYMS: INTERCOOL NFP-45

CHEMICAL FAMILY: Glycol

DATE OF PREPARATION: 06/27/96

DATE OF REVISION: 12/30/02

PREPARED BY: Erik S. Bielata, Chemist

REVISED BY: F. JAMES CORBETT, QC MANAGER

DISCLAIMER: All information contained in this data sheet is believed to be true and accurate at this time. However, there is no guarantee expressed or implied. The physical data has been calculated from available information.

This product is currently on the FDA's GRAS (GENERALLY REGARDED AS SAFE) list.

## 2 -Section II - Hazardous Ingredients

COMPONENT:	CAS#:	VOL%	TLV(units)
PROPYLENE GLYCOL	57-55-6	@45	NA
DEIONIZED WATER	7732-18-5	@55	NA
INHIBITORS	NA	< 5	NA
YELLOW DYE	NA	< 1	NA

## 3 -Section III - Physical Data

BOILING POINT (INDICATE IF "F" OR "C"): 220 F

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## 3 -Section III - Physical Data (continued)

VAPOR PRESSURE (mm Hg): 9.47 @ R.T.

VAPOR DENSITY (AIR = 1): 2.14

SPECIFIC GRAVITY (H2O=1): 1.0252

EVAPORATION RATE (But Ac = 1): &lt;1

SOLUBILITY IN WATER: Complete.

APPEARANCE AND ODOR: Clear, yellow liquid; very mild odor.

## 4 -Section IV - HMIS Ratings

## HEALTH

1

## FLAMMABILITY

1

## REACTIVITY

0

0 = Minimal

1 = Slight

2 = Moderate

3 = Serious

4 = Severe

## 5 -Section V - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): NONE

FLAMMABLE LIMITS: VOLUME % IN AIR

LEL: NA

UEL: NA

EXTINGUISHING MEDIA: Apply alcohol-type or all-purpose type foam by manufacturer's recommended techniques for large fires. Use carbon dioxide or dry chemical media for small fires.

SPECIAL FIRE FIGHTING PROCEDURES: Do not direct a solid stream of water or foam into hot, burning pools; this may cause frothing and increase fire intensity. Use self-contained breathing apparatus (SCBA) and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

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## 6 -Section VI - Health Hazard Data

THRESHOLD LIMIT VALUE: See sect. II.

## EFFECTS OF OVEREXPOSURE:

INGESTION: No significant signs or symptoms indicative of any adverse health effect are expected as a result of ingestion. If more than several mouthfuls are swallowed, abdominal discomfort, nausea, and diarrhea may occur.

SKIN ABSORPTION: No evidence of harmful effects from available information.

INHALATION: Vapors or mist in unusually high concentrations, as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the nose and throat, headache, nausea, and drowsiness.

SKIN CONTACT: Brief contact is not irritating. Prolonged contact, as with clothing wetted with material, may cause defatting of skin or irritation, seen as local redness with possible mild discomfort.

EYE CONTACT: May cause minor irritation.

CHRONIC: No adverse effects anticipated.

## MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Because of its defatting properties, prolonged and repeated skin contact may aggravate an existing dermatitis (skin condition).

## EMERGENCY AND FIRST AID PROCEDURES:

INGESTION: If patient is fully conscious, give two glasses of water (16 oz.). Obtain medical attention without delay.

SKIN: Remove contaminated clothing. Wash skin with soap and water. If irritation persists or if contact has been prolonged, obtain medical attention.

INHALATION: Remove to fresh air if irritation, headache, nausea, or drowsiness occurs. Get medical attention if breathing becomes difficult or symptoms persist.

EYES: Flush thoroughly with water for several minutes. Get medical attention if irritation persists.

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## 6 -Section VI - Health Hazard Data (continued)

## 7 -Section VII - Reactivity Data

STABILITY (choose one): ( ) UNSTABLE  
(x) STABLE

\* CONDITIONS TO AVOID: None.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning can produce carbon monoxide and/or  
carbon dioxide.HAZARDOUS POLYMERIZATION (choose one): ( ) MAY OCCUR  
(x) WILL NOT OCCUR

\* CONDITIONS TO AVOID: None.

## 8 -Section VIII - Spill or Leak Procedures

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

Small spills can be flushed with large amounts of water; larger spills  
should be collected for disposal; wear protective equipment.WASTE DISPOSAL METHOD: Neutralize and dispose of in accordance with local,  
state and federal regulations.

## 9 -Section IX - Special Protection Information

RESPIRATORY PROTECTION (SPECIFY TYPE): NIOSH approve breathing air equipment  
or NIOSH approved face mask with organic vapor cartridge and dust or mist  
pre-filter.

VENTILATION:

LOCAL EXHAUST: preferred

MECHANICAL (GENERAL): normally adequate.

SPECIAL: N/A

OTHER: N/A

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## 9 -Section IX - Special Protection Information (continued)

PROTECTIVE GLOVES: Rubber or neoprene.

EYE PROTECTION: Safety glasses or faceshield.

OTHER PROTECTIVE EQUIPMENT: Rubber apron and boots; eye bath, safety shower.

## 10 -Section X - Shipping Data

D.O.T. SHIPPING NAME: NOT REGULATED BY D.O.T.

PRODUCT NAME: INTERCOOL NFP-45

## 11 -Section XI - Special Precautions

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Keep containers closed when not in use; wash hands after use or when in contact with product.

OTHER PRECAUTIONS: Wash contaminated clothing before reuse.

## 12 -Section XII - SARA Title III

This product does not contain any toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR Part 372.

## 13 -Section XIII - Section Revisions

Revisions have been made to the following sections:

REVISION I: Sections I, XI (08/23/97)

REVISION II: Sections I, II (12/30/02)