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RMA #: 281CLV17

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INTERSTATE CHEMICAL COMPANY
MSDS for INTERCOOL OP-100 P

2292--

1 -Section I - General Information

MANUFACTURER'S NAME: INTERSTATE CHEMICAL COMPANY, INC.

EMERGENCY TELEPHONE NUMBER: (412) 981-3771
(800) 424-9300 (Chemtrec)ADDRESS (NUMBER, STREET, CITY, STATE, ZIP): 2797 Freedland Rd.
Hermitage, Pa. 16148.

CHEMICAL NAME AND SYNONYMS: INHIBITED ETHYLENE GLYCOL

TRADE NAME AND SYNONYMS: INTERCOOL OP-100 P

CHEMICAL FAMILY: GLYCOL

DATE OF PREPARATION: 7/19/94

REVISION DATE: 7/15/02

PREPARED BY: F. JAMES CORBETT, QC MANAGER

ICC MSDS #: IC-01003

This product contains Ethylene Glycol which is toxic by oral ingestion.

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.

2 -Section II - Blend Composition

COMPONENT:	CAS#:	VOL.%	TLV(units)
ETHYLENE GLYCOL	107-21-1	> 90	50 PPM
INHIBITORS	N/A	< 10	N/A
PINK DYE	N/A	< 1	N/A

3 -Section III - Physical Data

BOILING POINT (INDICATE IF "F" OR "C"): 225 F

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3 -Section III - Physical Data (continued)

VAPOR PRESSURE (mm Hg): N/D @ R.T.

VAPOR DENSITY (AIR = 1): N/D

SPECIFIC GRAVITY (H2O=1): 1.133

EVAPORATION RATE (But Ac = 1): < 1

SOLUBILITY IN WATER: Complete

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

4 -Section IV - HMIS Ratings

HEALTH	FLAMMABILITY	REACTIVITY
3	0	0
0 = Minimal	1 = Slight	2 = Moderate
	3 = Serious	4 = Extreme

5 -Section V - Fire and Explosion Hazard Data

FLASH POINT (METHOD USED): 241 F (TCC)

FLAMMABLE LIMITS: VOLUME % IN AIR

LEL: 3.2

UEL: 15.3

AUTOIGNITION TEMPERATURE: N/A

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.

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5 -Section V - Fire and Explosion Hazard Data (continued)

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

6 -Section VI - Health Hazard Data

THRESHOLD LIMIT VALUE: See sect. II.

EFFECTS OF OVEREXPOSURE:

SWALLOWING: May cause abdominal discomfort or pain, nausea, vomiting, dizziness, drowsiness, malaise, blurring of vision, irritability, lumbar pain, oliguria, uremia, and central nervous system effects, including irregular eye movements, convulsions and coma; cardiac failure and pulmonary edema may develop. Severe kidney damage follows the swallowing of large volumes of glycol; may be fatal.

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

INHALATION: May cause irritation to the nose and throat with headache particularly from mist. High vapor concentrations caused for example, by heating the material in an enclosed and poorly ventilated workplace, may produce nausea, vomiting headache, dizziness, and irregular eye movements.

SKIN CONTACT: No evidence of harmful effects from available info.

EYE CONTACT: Injury to the cornea is not expected.
Liquid, vapor, or mist causes irritation, experienced as stinging, excess blinking, and tear production, with excess redness of the conjunctiva.

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE:

May aggravate an existing kidney disease.

EMERGENCY AND FIRST AID PROCEDURES:

SWALLOWING: If patient is fully conscious, give two glasses of water. Induce vomiting. Obtain medical attention without delay. If medical advice is delayed, and if the person has swallowed a moderate volume of material (a few ounces), then give three to four ounces of hard liquor, such as whiskey.

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6 -Section VI - Health Hazard Data (continued)

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. Obtain medical attention if
symptoms persist.

EYES: Flush thoroughly with water for several minutes.

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.

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9 -Section IX - Special Protection Information (continued)

VENTILATION:

LOCAL EXHAUST: N/A
MECHANICAL (GENERAL): normally adequate.
SPECIAL: N/A
OTHER: N/A

PROTECTIVE GLOVES: Ruber or neoprene.

EYE PROTECTION: Safety glasses or faceshield.

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

10 -Section X - D.O.T. Shipping Information

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUIDS, N.O.S.
(contains Ethylene Glycol)

PRODUCT NAME: INTERCOOL OP-100 P

D.O.T. HAZARD CLASS: 9

UN/NA NUMBER: UN-3082 (PG III)

COMPONENT RQ: ETHYLENE GLYCOL, 5000 #'s

D.O.T. LABEL: N/A

D.O.T. SUBSIDIARY LABEL: N/A

D.O.T. PLACARD; CLASS 9

***** REGULATED IN BULK ONLY *****

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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.
DANGER: HARMFUL OR FATAL IF SWALLOWED.

OTHER PRECAUTIONS: Wash contaminated clothing before reuse.

12 -Section XII - SARA Title III

This product contains the following toxic chemical that is claimed as a trade secret, but disclosed as an upper bound concentration to comply with the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR Part 372.

** ETHYLENE GLYCOL (CAS #107-21-1) ----- 92% MAX. **

13 -Section XIII - Section Revisions

Revisions have been made to the following sections:

REVISION I: Section IX (07/22/95)

REVISION II: Section X (09/29/95)

REVISION III: Section XII (03/07/96)

REVISION IV: Sections I, II (09/26/97)

REVISION V: Sections X (7/15/02)

Receiving Report

Graham Corporation
Batavia, New York

Date: 05-05-17

Received From: Buckeye Terminals LLC
1001 Youngstown Warren Road
Niles, OH 44446

Job #: 74518 Prepaid: \$ X

VIA: Ward Trucking Collect: \$

QTY

Description

Service
Department

Serial #: 09-74518-01

Model #: 2PV62160/13/DD

RMA #: 281CLV17