

MATERIAL SAFETY DATA SHEET
ETHYLENE GLYCOL (CS - 100)

SECTION 1 IDENTIFICATION

COMPANY NAME: CHEMICAL SPECIALTIES, INC.
EMERGENCY PHONE NUMBER: 303-675-0944
EFFECTIVE DATE: JULY 1, 1996
TRADE NAME: CS-100 Inhibited Heat Transfer Fluid

SECTION 2 HAZARDOUS INGREDIENTS

<u>HAZARDOUS COMPONENTS:</u> Chemical Name/ Common Name	<u>CAS#</u>	<u>PERCENT</u>	<u>TLV Source</u>
Ethylene Glycol	000107-21-1	>94	50PPM
Dipotassium Phosphate	007758-11-4	<03	
Deionized Water	007732-18-5	<03	

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 19101200). In addition, other substances not "Hazardous" per this OSHA Standard may be listed. Where proprietary ingredient shows, the identity may be made available as provided in this standard.

NFPA Ratings (Scale 0-4)	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>Other</u>
	1	1	0	

SECTION 3 PHYSICAL DATA

<u>BOILING POINT:</u> 387.1F	<u>SPECIFIC GRAVITY:</u> (H ₂ O = 1) 1.1155 @ 20/20C
<u>VAPOR PRESSURE</u> (mm Hg): 0.12 @ 25C	<u>MELTING POINT:</u> Not Known
<u>VAPOR DENSITY</u> (Air = 1): 2.14	<u>EVAPORATION RATE:</u> >1
<u>SOLUBILITY IN WATER:</u> Complete	<u>APPEARANCE/ODOR:</u> Florescent Pink., Slight

SECTION 4 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 247°F, 119°C
EXTINGUISH MEDIA: Water fog or fine spray. Alcohol resistant foams (ATC type) preferred
SPECIAL FIRE FIGHTING PROCEDURES: NONE
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY: Will ignite in air at 775°F, 413°C
INCOMPATIBLE MATERIALS: Avoid unintended contact with acid and bases
DECOMPOSITION PRODUCTS: N/A
HAZARDOUS POLYMERIZATION: Will not occur.

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SECTION 6 HEALTH HAZARD DATA

HEALTH HAZARDS:

EYES: May cause slight transient (temporary) eye irritation.

SKIN: Essentially nonirritating to skin. The dermal LD50 has not been determined. Massive contact with damaged skin or of material sufficiently hot to burn skin may result in absorption of potentially lethal amounts.

INGESTION: Single dose oral toxicity is believed to be moderate. The lethal dose in humans is estimated to be 100 ml (3 ounces) for ethylene glycol.

INHALATION: At room temperature, vapors are minimal due to low vapor pressure.

SECTION 7 PRECAUTIONS FOR SAFE HANDLING

EYES: Flush eyes with plenty of water.

SKIN: Wash off with flowing water.

INGESTION: INDUCE VOMITING IMMEDIATELY. GET MEDICAL ATTENTION.

INHALATION: Remove to fresh air.

SPILLS: Small spills with dry absorbent. Dispose of according to federal, state, and local regulations.

HANDLING: Wear chemical goggles, rubber gloves, and protective clothing. Store in a cool, dry place. Keep from freezing.

KEEP OUT OF REACH OF CHILDREN. READ PRODUCT LABEL.

SECTION 8 SPECIAL PROTECTION

RESPIRATORY PROTECTION: None required.

VENTILATION: Local Exhaust.

PROTECTIVE GLOVES: Neoprene or rubber gloves.

EYE PROTECTION: Goggles or face shield.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Boots and apron. safety shower and eyewash station nearby.

HANDLING AND STORAGE: Normal safe practices.

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