



OCEAN® Network  
EMERGENCY PHONE 1-800-OLIN-911

# MATERIAL SAFETY DATA

## SECTION I - IDENTIFICATION

CHEMICAL NAME & SYNONYMS Brake fluid H0CP-470      CARQUEST DOT 3 BRAKE FLUID		
CHEMICAL FAMILY Glycol ethers and glycols	FORMULA Proprietary Mixture	PRODUCT H0CP-470
DESCRIPTION Brownish yellow liquid		CAS NO. Not assigned/mixture

## SECTION II - NORMAL HANDLING PROCEDURES

<b>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE</b> Do not get in eyes, on skin or on clothing. Do not take internally. Upon contact with skin or eyes, wash off with water. Avoid breathing mist or vapor. Store in a cool, dry, well-ventilated place.	
<b>PROTECTIVE EQUIPMENT</b>  EYES Safety glasses with side shields  GLOVES None required  OTHER None required	<b>VENTILATION REQUIREMENTS</b>  None beyond good room ventilation normally required.

## SECTION III - HAZARDOUS INGREDIENTS

BASIC MATERIAL	OSHA PEL	LD50	LC50	SIGNIFICANT EFFECTS
Glycol ethers, glycols	None established	>5 g/kg (rat)	>2 g/kg (rabbit)	Lethargy, nausea

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 255° F COC METHOD	OSHA CLASSIFICATION Slightly combustible liquid	FLAMMABLE	LOWER	UPPER
		EXPLOSIVE LIMIT	N.D.	N.D.
EXTINGUISHING MEDIA Water spray, dry chemical, carbon dioxide, or alcohol foam.				
SPECIAL FIRE HAZARD & FIRE FIGHTING PROCEDURES Use NIOSH/MSHA approved self-contained breathing apparatus where this material is involved in a fire.				

## SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE None established
SYMPTOMS OF OVER EXPOSURE Lethargy, nausea
EMERGENCY FIRST-AID PROCEDURES
SKIN Flush with water. Washing any substance off skin is a good safety practice.
EYES Flush with water. If eye irritation develops, call a physician.
INGESTION Drink water to dilute.
INHALATION Remove victim to fresh air.

PRODUCT CODE 088135

CHEMICAL NAME HDCP-470

SECTION VI - TOXICOLOGY (PRODUCT)

ACUTE ORAL LD 50 >5 g/kg (rats)	CARCINOGENICITY Not known to be carcinogenic
ACUTE DERMAL LD 50 >2 g/kg (rabbits)	MUTAGENICITY Not known to be mutagenic
ACUTE INHALATION LC 50 > 200 mg/l inspired air for 1 hour	EYE IRRITATION Not an irritant
	PRIMARY SKIN IRRITATION Not an irritant
PRINCIPAL ROUTES OF ABSORPTION Inhalation	
EFFECTS OF ACUTE EXPOSURE Lethargy, nausea	
EFFECTS OF CHRONIC EXPOSURE None expected at industrial use levels	

SECTION VII - SPILL AND LEAKAGE PROCEDURES (CONTROL PROCEDURES)

ACTION FOR MATERIAL RELEASE OR SPILL Wear goggles, coveralls, and impervious gloves and boots. Add dry absorbent, shovel or sweep up and place in an appropriate container and seal. Wash all contaminated clothing before reuse. In the event of a large spill, call the emergency telephone number shown on the front of this sheet.
TRANSPORTATION EMERGENCY, CONTACT CHEMTREC 800-424-9300
WASTE DISPOSAL METHOD Dispose of contaminated product, empty containers and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate Federal, State and local regulatory agencies to ascertain proper disposal procedures.

SECTION VIII - SHIPPING DATA

D.O.T. Not regulated
----------------------

SECTION IX - REACTIVITY DATA

STABLE <input checked="" type="checkbox"/> UNSTABLE AT <input type="checkbox"/> C <input type="checkbox"/> F	HAZARDOUS POLYMERIZATION	MAY OCCUR	WILL NOT OCCUR <input checked="" type="checkbox"/>
CONDITIONS TO AVOID Extreme heat INCOMPATIBILITY (MATERIAL TO AVOID) Strong oxidizers HAZARDOUS DECOMPOSITION PRODUCTS Carbon monoxide, carbon dioxide			

SECTION X - PHYSICAL DATA

MELTING POINT No data	VAPOR PRESSURE No data	VOLATILES No data
BOILING POINT 465° F	SOLUBILITY IN WATER Soluble	EVAPORATION RATE No data
SPECIFIC GRAVITY (H2O=1) 1.04	PH 9 - 11	VAPOR DENSITY (AIR=1) No data

INFORMATION: FURNISHED TO

FURNISHED BY DATE DECEMBER 5, 1985

ATTN: DEPT HANDLING MATL SAFETY DATA SHEETS  
MR. PAUL HANDMACHER  
QUAKER SUPREME CHEM. CO.  
433 SADLER ST.  
MONTGOMERY, AL 36104

Department of Environmental Hygiene and Toxicology  
(203) 789-5436

**Olin** CORPORATION  
120 Long Ridge Road, Stamford, Connecticut 06904  
OCEAN® Network  
EMERGENCY PHONE 1-800-OLIN-911

352-3449