

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-11387

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME NAPA UNITED		Part Nos. 35-012, 35-032, 35-101 35-105, 35-155	EMERGENCY TELEPHONE NO. (815) 385-7000
ADDRESS (Number, Street, City, State, and ZIP Code) 1600 N. Industrial Drive, McHenry, Illinois 60050			
CHEMICAL NAME AND SYNONYMS Mixture of Alkylene Oxide Adducts		TRADE NAME AND SYNONYMS NAPA SUPER HEAVY DUTY BRAKE FLUID	
POLYMER NAME Polyglycol-based Hydraulic Fluid		FORMULA N/A	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS		N/A	BASE METAL		N/A
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)
N/A					

SECTION III - PHYSICAL DATA

BOILING POINT (°F.) minimum	450	SPECIFIC GRAVITY (H ₂ O=1)	1.03
VAPOR PRESSURE (mm Hg.) @ 20°C	Low	PERCENT VOLATILE BY VOLUME (%)	N/A
VAPOR DENSITY (AIR=1)	Unknown	EVAPORATION RATE (____ °F)	---
SOLUBILITY IN WATER	Infinite		
APPEARANCE AND ODOR Light Yellow - Mild Odor			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	280° F (COC)	FLAMMABLE LIMITS STP In Air	LEL	UEL
EXTINGUISHING MEDIA	Water fog, Alcohol Foam CO ₂ , Dry Chemical		N/A	N/A
SPECIAL FIRE FIGHTING PROCEDURES				
UNUSUAL FIRE AND EXPLOSION HAZARDS				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
 Oral LD-50 (rats) greater than 2000 mg/kg

EFFECTS OF OVEREXPOSURE Eye Contact: Slight transient irritation - no corneal injury likely. Skin Contact: Single short exposure - no irritation. Repeated prolonged exposure (especially if confined against skin by clothing, etc.) - minor effects. Skin absorption: Not observed in toxic amounts. Inhalation: No TLV suggested.

EMERGENCY AND FIRST AID PROCEDURES Ingestion: No problem anticipated. If large amounts are swallowed, induce vomiting (if conscious and not convulsive). Call a physician. No specific anticote is known. Eye and Skin Contact: Flush with water. If illness occurs, see a physician. Inhalation: No problem is expected.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid) Avoid oxidizing materials			
HAZARDOUS DECOMPOSITION PRODUCTS			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Use appropriate safety equipment. Do not allow spillage to contaminate ground water.

Soak up in absorbent material and shovel into drums.

WASTE DISPOSAL METHOD

Burn in accordance with local, state and federal laws.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) none normally needed.

VENTILATION	LOCAL EXHAUST	SPECIAL
	MECHANICAL (General) X	OTHER
PROTECTIVE GLOVES rubber, preferred for long exposure		EYE PROTECTION Goggles
OTHER PROTECTIVE EQUIPMENT		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
 Practice reasonable care and good personal hygiene.

OTHER PRECAUTIONS