

MATERIAL SAFETY DATA SHEET

LANIER
 2300 PARKLAKE DRIVE, NE
 ATLANTA, GA 30345-2979
 EMERGENCY TELEPHONE:
 (404) 621-1395 (8am-6pm)
 (800) 333-2679 (6pm-8am)

SUPERSEDES: 78696928775

DPI I.D. NUMBER: U78803592498

ISSUED: AUGUST 1986
 DOCUMENT NO: FX-006
 DUNS NO: 150634004

1. PRODUCT IDENTIFICATION

CHEMICAL FAMILY: Isoparaffinic Hydrocarbons	TRADE NAME: Type 448 Dispersant
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DEPARTMENT OF TRANSPORTATION PROPER SHIPPING NAME:
N/A

DEPARTMENT OF TRANSPORTATION HAZARD CLASS:
N/A

2. INGREDIENTS	PERCENT	CAS NO.	EXPOSURE LIMITS	SOURCE*
Isoparaffinic Hydrocarbons	100.0	64742-48-9	300 ppm	E

* SOURCE OF EXPOSURE LIMIT DATA:
 A. ACGTH THRESHOLD LIMIT VALUES B. FEDERAL OSHA PERMISSIBLE EXPOSURE LIMIT
 C. LANIER GUIDELINES D. MANUFACTURER RECOMMENDED GUIDELINES
 E. NONE ESTABLISHED N/A = NOT APPLICABLE N/D = NOT DETERMINED

3. PHYSICAL DATA

BOILING POINT: 157 - 176°C °F	SOLUBILITY IN H ₂ O: Nil
VAPOR PRESSURE: AT °F	SPECIFIC GRAVITY (H ₂ O=1): .75
VAPOR DENSITY: 5.0 (AIR = 1)	pH: N/A
EVAPORATION RATE: 0.45 (ETHER = 1)	VISCOSITY: N/D
% VOLATILE:	

APPEARANCE AND ODOR: Water - white liquid. Mild hydrocarbon odor.

4. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (TEST METHOD): 104°F (Tag closed cup)	FLAMMABILITY LIMITS: LEL = 0.7% UEL = 7.0%
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EXTINGUISHING MEDIA:
Dry chemical, foam, carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES:
Normal procedures for combustible liquids

UNUSUAL FIRE AND EXPLOSION HAZARDS: Do not mix or store with strong oxidants such as liquid chlorine, concentrated oxygen, sodium hypochlorite.

5. REACTIVITY DATA

STABILITY: STABLE <input checked="" type="checkbox"/>	UNSTABLE <input type="checkbox"/>	HAZARDOUS POLYMERIZATION: MAY OCCUR <input type="checkbox"/>	MAY NOT OCCUR <input checked="" type="checkbox"/>
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INCOMPATIBILITY - MATERIALS TO AVOID:
Strong oxidizers

CONDITIONS TO AVOID:

HAZARDOUS DECOMPOSITION PRODUCTS:
Fumes, smoke, carbon dioxide, aldehydes and other decomposition (in case of incomplete combustion).

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TRADE NAME: Type 448 Dispersant		DATE: August 1986
6. ENVIRONMENTAL INFORMATION		
SPILL RESPONSE: (OBSERVE ALL PRECAUTIONS IN SECTION 7): Remove ignition sources. Remove free liquids, add absorbent. Ventilate confined spaces. Do not breathe vapor.		
RECOMMENDED DISPOSAL: Assure conformity with applicable governmental regulations.		
ENVIRONMENTAL DATA: N/D		
7. PRECAUTIONARY INFORMATION		
Keep away from heat or flame. Keep away from strong oxidants. Use containers when not in use. Use in ventilated area.		
8. HEALTH HAZARD DATA	9. SUGGESTED FIRST AID	
EYE CONTACT:	Flush with water for 15 minutes or until irritation subsides. If persists, call a physician.	
SKIN CONTACT:	Wash skin with soap and water. Remove contaminated clothing.	
INHALATION:	If overcome, remove from exposure. Call a physician.	
IF SWALLOWED:	DO NOT INDUCE vomiting, call a physician.	

THE INFORMATION ON THIS DATA SHEET REPRESENTS OUR CURRENT DATA AND BEST OPINION AS TO THE PROPER USE IN HANDLING OF THIS PRODUCT UNDER NORMAL CONDITIONS. USING THE PRODUCT WHICH IS NOT IN CONFORMANCE WITH THIS DATA SHEET OR WHICH INVOLVES USING THE PRODUCT IN COMBINATION WITH ANY OTHER PRODUCT OR ANY PROCESS IS THE RESPONSIBILITY OF THE USER.