

MATERIAL SAFETY DATA SHEET

U. S. DEPARTMENT OF LABOR

Occupational Safety and Health Administration

REQUIRED UNDER USDL SAFETY AND HEALTH REGULATIONS FOR SHIP REPAIRING
SHIPBUILDING, AND SHIPBREAKING (29 CFR 1915, 1916, 1917)

Form Approved
OMB No. 44-R1387

SECTION I

MANUFACTURER'S NAME: HORIZON MUD COMPANY

ADDRESS(Number, Street, State and Zip Code): P.O. DRAWER 3130 MIDLAND, TX 79702

CHEMICAL NAME AND SYNONYMS: *Blend of Gilsomite and Graphite in Organic Esters*

TRADE NAME AND SYNONYMS: STABLE-LUBE

FORMULA: PROPRIETARY

CHEMICAL FAMILY: *Surfactant Blend*

EMERGENCY TELEPHONE NO.: 713-356-4363

SECTION II HAZARDOUS COMPONENTS OF MIXTURES

OSHA HAZARD

COMPONENT

Eye and Skin Irritant

Substituted Amine

SECTION III HEALTH INFORMATION AND PROTECTION

FIRST AID AND NATURE OF HAZARD

EYE CONTACT:

Immediately flush eyes with large amounts of water for at least 15 minutes. Get prompt medical attention.

Irritating, and may injure eye tissue if not removed promptly.

SKIN CONTACT:

Flush with large amounts of water; use soap if available.

Remove grossly contaminated clothing, including shoes, and launder before reuse.

If irritation persists, seek medical attention.

Low order of toxicity.

Irritating.

INHALATION:

Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

NO HAZARD IN NORMAL INDUSTRIAL USE.

INGESTION:

First aid is normally not required.

Low order of toxicity.

PERSONAL PROTECTION

Where contact may occur, wear long sleeves and safety glasses with side shields.

For open systems where contact is likely, wear long sleeves, chemical resistant gloves, chemical safety goggles plus a face shield.

Where overexposure by inhalation may occur and engineering, work practice or other means of exposure reduction are not adequate, approved respirators may be necessary.

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SECTION IV FIRE AND EXPLOSION HAZARD

FLASHPOINT DEG. F: 219 METHOD: Seta CC
 FLAMMABLE LIMITS-L&L: UEL: NOTE: Not applicable
 AUTOIGNITION TEMPERATURE DEG. F: NOTE: Not available

GENERAL HAZARD

Low hazard, liquid can burn upon heating to temperatures at or above the flashpoint.
 Toxic gases will form upon combustion.
 Empty product containers may contain product residue. Do not pressurize, cut, heat, weld or expose containers to flame or other sources of ignition.

FIRE FIGHTING

Use water spray to cool fire exposed surfaces and to protect personnel.
 Isolate "fuel" supply from fire.
 Use alcohol type foam, dry chemical or water spray to extinguish fire.
 Respiratory and eye protection required for fire fighting personnel.
 Avoid spraying water directly into storage containers due to danger of boilover.

HAZARDOUS COMBUSTION PRODUCTS

Smoke, Fumes, Carbon Monoxide, Carbon Dioxide, Phosphorus Oxides

SECTION V SPILL CONTROL PROCEDURE

LAND SPILL

Eliminate sources of ignition. Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, keep public away and advise authorities. Prevent liquid from entering sewers, watercourses, or low areas. Contain spilled liquid with sand or earth.
 Recover by pumping or with suitable absorbent.
 Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL

Prevent additional discharge of material, if possible to do so without hazard. Advise authorities.
 Consult Health Information and Protection (Section III) regarding possible hazards.
 Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

SECTION VI NOTES

SECTION VII TYPICAL PHYSICAL & CHEMICAL PROPERTIES

SP. GRAVITY: 1.08
 REF. TEMP. DEGREE F.: 78
 DENSITY, LBS/GAL: 9.0

VAPOR PRESSURE:
 N/D

SOLUBILITY IN WATER:
 Partially Soluble

PHYSICAL STATE:
 Liquid

SP. GRAVITY OF VAPOR, AT 1 ATM AIR=1
 >1.0

EVAPORATION RATE, n-BU ACETATE =1
 1.5, Calculated

COLOR:
 BLACK

pH:
 8.4 - 8.5

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SECTION VIII REACTIVITY DATA	
STABILITY: STABLE	HAZARDOUS POLYMERIZATION OCCUR? WILL NOT OCCUR
CONDITIONS TO AVOID INSTABILITY: NONE	CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION Not Applicable
MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY Strong Oxidizing Agents	
HAZARDOUS DECOMPOSITION PRODUCTS: None	
SECTION IX TRANSPORT & STORAGE	
ELECTROSTATIC ACCUMULATION HAZARD: Unknown, use proper grounding procedure	LOADING/UNLOADING TEMPERATURE: Not available
STORAGE TEMPERATURE: Not available	VISCOSITY AT LOADING/UNLOADING TEMPERATURE: Not available
STORAGE/TRANSPORT PRESSURE: Not available	
SECTION X HAZARD CLASSIFICATION	
U.S. DOT CLASSIFICATION: None	
EPA HAZARDOUS SUBSTANCE: None	
OTHER:	

FOR ADDITIONAL PRODUCT INFORMATION CONTACT YOUR TECHNICAL SALES REPRESENTATIVE

THIS INFORMATION RELATES TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE COMPILED. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO ITS ACCURACY, RELIABILITY OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABILITY AND COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE. WE DO NOT ACCEPT LIABILITY FOR ANY LOSS OR DAMAGE THAT MAY OCCUR FROM THE USE OF THIS INFORMATION NOR DO WE OFFER WARRANTY AGAINST PATENT INFRINGEMENT.

DATE PREPARED: APRIL 1, 1989

SIGNED

Henry S. Carter
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PRODUCT: STABLE LUBE

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