

NL Baroid

Environmental, Safety and Transportation Data Sheet

SOLEPLUG

I PRODUCT IDENTIFICATION		
SUPPLIER NL BAROID	TELEPHONE NO 713/987-5900	
ADDRESS PO BOX 1675 HOUSTON, TEXAS 77251		
TRADE NAME SOLEPLUG™		
GENERAL DESCRIPTION WYOMING BENTONITE, SODIUM MONTMORILLONITE		
II HAZARDOUS INGREDIENTS		
INGREDIENT OR COMPONENT	PERCENT DATA	
SILICA	LOW CONCENTRATIONS OF CRYSTALLINE SILICA (SD) IN THE FORM OF QUARTZ.	
	CRISTOBALITE AND TRIDYMITTE MAY BE PRESENT (SEE SECTION V)	
III PHYSICAL DATA		
BOIL AND POINT (°F)	MELTING POINT ND	FREEZING POINT ND
SPECIFIC GRAVITY (H ₂ O = 1)	VAPOR PRESSURE (mm Hg)	
2.5	NA	
VAPOR DENSITY (AIR = 1)	SOLUBILITY (H ₂ O, % BY WT.)	
NA	NA	
% VOLATILES BY VOL.	EVAPORATION RATE (BUTYL ACETATE = 1)	
NA	NA	
APPEARANCE AND ODOR LIGHT TAN TO GRAY SOLIDS, NO ODOR	Density @ 20° C	47 g/cc (bulk) cool
pH NA		

HEALTH HAZARD	0
FLAMMABILITY	0
REACTIVITY	0

NA = Not Applicable ND = Not Determined

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Trade Name of NL Industries Inc. NL Baroid
 PO Box 1675 Houston, Texas 77251
 Printed in USA

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IV FIRE AND EXPLOSION DATA

SOLEPLUG IS NOT FLAMMABLE AND NOT EXPLOSIVE. DOES NOT SUPPORT COMBUSTION.
 EXTINGUISHING MEDIA: WATER

V HEALTH HAZARD INFORMATION

CARCINOGENICITY - NOT ON NTP, IARC OR OSHA LISTS

ACUTE ORAL LD₅₀ ND ACUTE DERMAL LD₅₀ ND AQUATIC TOXICITY (LC₅₀) ND

ROUTES OF EXPOSURE AND EFFECTS

TLV FOR RESPIRABLE DUST 10 mg/m³

TLV FOR "TOTAL DUST" 30 mg/m³

IF CRISTOBALITE OR TRIDYMITTE IS DETECTED, USE ONE-HALF THE VALUE CALCULATED FROM FORMULAE FOR QUARTZ

SKIN: POTENTIAL IRRITANT
 EYES: IRRITANT
 INHALATION: IRRITATION TO LUNGS, NOSE AND THROAT; PROLONGED INHALATION MAY CAUSE LUNG INJURY OR DISEASE
 EMERGENCY AND FIRST AID PROCEDURES

SKIN: FLUSH SKIN WITH LARGE AMOUNTS OF WATER
 EYES: FLUSH EYES WITH WATER AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, CONTACT PHYSICIAN
 INHALATION: MOVE TO FRESH AIR

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VI REACTIVITY DATA
CONDITIONS CONTRIBUTING TO INSTABILITY THIS PRODUCT IS STABLE UNDER NORMAL DRILLING CONDITIONS
INCOMPATIBILITY
NONE
HAZARDOUS DECOMPOSITION PRODUCTS
NONE
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION
NONE
VII SPILL OR LEAK PROCEDURES
STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED NORMAL HOUSEKEEPING. CAUSES SLIPPERY SURFACES WHEN WET
NEUTRALIZING CHEMICALS
NA
WASTE DISPOSAL METHOD
MUD WASTES SHOULD BE DISPOSED OF IN DESIGNATED DISPOSAL AREAS. (i.e. GENERAL LANDFILLS OR DESIGNATED OCEAN DISPOSAL SITES)
VIII INDUSTRIAL HYGIENE CONTROL MEASURES
VENTILATION REQUIREMENTS MECHANICAL GENERAL ROOM VENTILATION USE LOCAL VENTILATION TO MAINTAIN TLV (SEE SECTION V)
SPECIFIC PERSONAL PROTECTIVE EQUIPMENT
RESPIRATORY USE A NIOSH APPROVED MECHANICAL FILTER RESPIRATOR FOR NON TOXIC DUSTS.
EYE
NONE REQUIRED
GLOVES
NONE REQUIRED
OTHER CLOTHING AND EQUIPMENT
APRON. EYEWASH STATION

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IX SPECIAL PRECAUTIONS
THE CAUTIONARY STATEMENTS AVOID PROLONGED INHALATION RECOMMENDED LABEL FRONT PANEL: CAUTION SEE BACK PANEL FOR CAUTION BEFORE USE BACK PANEL: CAUTION THIS PRODUCT CONTAINS FREE SILICA. PROLONGED INHALATION OF THE POWDER MAY RESULT IN LUNG DISEASE. AVOID CREATING DUSTY CONDITIONS AND USE A NIOSH APPROVED DUST RESPIRATOR.
OTHER HANDLING AND STORAGE REQUIREMENTS HOLEPLUG IS NONHAZARDOUS. NO HAZARDS ARE INVOLVED WITH NORMAL HANDLING.
DEPARTMENT OF TRANSPORTATION INFORMATION PROPER SHIPPING NAME: NOT REGULATED HAZARD CLASS: NOT HAZARDOUS HAZARDOUS SUBSTANCE: NONE
PREPARED BY NL David ENVIRONMENTAL SERVICES
DATE JULY 1987