

MATERIAL SAFETY DATA SHEET

SLIDE PRODUCTS, INC.
430 S. WHEELING ROAD
WHEELING, IL 60090

PRODUCT NAME: BULK PENETRANT PLUS

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REVISION DATE: SEPT. 1, 2009
PRODUCT NUMBER: 418 Bulk
D.U.N.S. NUMBER: 00-299-4168

THIS MSDS IS APPLICABLE TO: 41801B, 41805B and 41855B UNITS

IF SLIDE PRODUCTS, INC. CONSIDERS THE FORMULA OF THIS PRODUCT TO BE A TRADE SECRET, THE EXACT CHEMICAL NAMES AND COMPOSITION WILL NOT APPEAR IN THE BODY OF THIS SHEET. EXACT COMPOSITION IS AVAILABLE UPON REQUEST, TO PHYSICIANS, INDUSTRIAL HYGIENISTS AND OTHER HEALTH PROFESSIONALS.

SECTION I. IDENTIFICATION

CHEMICAL NAME: SYNTHETIC LUBRICANT MIXTURE
CHEMICAL FAMILY: POLYTETRAFLUOROETHYLENE
FORMULA: 41801B, 41805B, and 41855B
SYNONYMS: PENETRANT-DEMOISTURANT COMPOUND
CHEMICAL ABSTRACT REGISTRY NUMBER: N/A, MIXTURE
H.M.I.S. RATING: 1, 2, 0, B

1, 5, & 55 GALLON SHIPPING INFORMATION:

DOT SHIPPING NAME: COMBUSTIBLE LIQUID N.O.S.
IDENTIFICATION NUMBER: NA 1993
PACKING GROUP: III

IN ACCORDANCE WITH 49 CFR 173.150 (f) (2), NON-BULK QUANTITIES OF THIS MATERIAL MAY BE SHIPPED AS NON REGULATED FOR USA DOMESTIC **GROUND** SHIPMENTS

SECTION II. PHYSICAL DATA

BOILING POINT: 162-400 DEGREES F.
FREEZING POINT: N/A
SPECIFIC GRAVITY (H₂O = 1): .85
WEIGHT PER GALLON @ 60 F.: 7.11
VAPOR PRESSURE @ 70 F. (MM HG): 100
VAPOR DENSITY (AIR = 1): >1
SOLUBILITY IN WATER, % BY WEIGHT: NIL
PERCENT VOLATILE BY WEIGHT: 80%
EVAPORATION RATE (MINUTES): 60
APPEARANCE AND ODOR: PALE STRAW-COLORED LIQUID – SWEET ODOR

SECTION III. HAZARDOUS INGREDIENTS

MATERIAL:	APPROX. WT. %:	CAS NUMBER:	PEL(OSHA):
MINERAL SPIRITS	80	68513-03-01*	110 PPM
NON-HAZARDOUS LUBE. MIX	20	MIXTURE	N/A

PROPRIETARY

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

FLAMMABLE LIMITS IN AIR: LEL: 1.2 UEL: 9.6 (VOLUME %):
FLASH POINT: 129 DEGREES F. (C.C.)
EXTINGUISHING MEDIA: CO₂, FOAM, DRY CHEMICAL, WATER FOG
SPECIAL FIRE FIGHTING PROCEDURES: USE SELF-CONTAINED BREATHING APPARATUS
UNUSUAL FIRE & EXPLOSION HAZARDS: CONCENTRATE VAPORS MAY FORM HCl, HF, AND TRACES OF PHOSGENE UPON PYROLYSIS

SECTION V. REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): HEAT, SPARKS, STATIC ELECTRICITY

HAZARDOUS COMBUSTION BY-PRODUCTS: CO, CO₂, PHOSGENE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: STRONG OXIDIZING AGENTS

SECTION VI. HEALTH HAZARD DATE (ALSO SEE SECTIONS X & XI)

THRESHOLD LIMIT VALUE: MINIMUM 110 PPM

- **EFFECTS OF OVEREXPOSURE ***

INGESTION (SWALLOWING): NAUSEA, VOMITING

INHALATION: IRRITATION TO TRACHEA AND LUNGS

SKIN CONTACT: NO ILL EFFECT ON SKIN

EYE CONTACT: SLIGHT IRRITATION

- **EMERGENCY AND FIRST AID PROCEDURES ***

INGESTION: DO NOT INDUCE VOMITING. GIVE VEGETABLE OIL. CALL PHYSICIAN

SKIN: WASH WITH SOAP AND WATER. APPLY HAND CREAM.

INHALATION: REMOVE TO FRESH-AIR LOCATION AWAY FROM EXPOSURE SITE

EYES: RINSE WITH PLENTY COOL CLEAN WATER UNTIL IRRITATION SUBSIDES

SECTION VII. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: ABSORB ON FIRE-RETARDANT SAWDUST OR CLAY-DISPOSE AT APPROPRIATE WASTE DISPOSAL FACILITY IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATION.

WASTE DISPOSAL METHOD: SUPERVISED INCINERATION IN COMPLIANCE WITH APPLICABLE LAWS AND REGULATIONS.

SECTION VIII. SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): NOT NEEDED WITH ADEQUATE VENTILATION

VENTILATION: MECHANICAL (GENERAL) RECOMMENDED

PROTECTIVE GLOVES: RECOMMENDED BUT NOT REQUIRED

EYE PROTECTION: PROPER EYE CARE IS NEEDED IN ALL INDUSTRIAL OPERATIONS

OTHER PROTECTIVE EQUIPMENT: AS REQUIRED BY YOUR COMPANY

SECTION IX. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DO NOT ALLOW TO FREEZE. STORE IN LOCATION AWAY FROM HEAT SOURCES. STORED MATERIAL MUST BE LABELED COMBUSTIBLE.

DO NOT EAT, DRINK OR SMOKE IN WORK AREA.

OTHER PRECAUTIONS: DO NOT CUT, PUNCTURE OR WELD ON OR NEAR EMPTY CONTAINERS.

THIS DATA IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESS OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE. THE INFORMATION CONTAINED IN THIS MATERIAL SAFETY DATA SHEET IS BELIEVED TO BE CORRECT AS OF THIS DATE. THE REGULATIONS PROMULGATED BY OSHA FOR HAZARD COMMUNICATION, 29 CFR 1910.1200, AS WELL AS SEVERAL STATE AND LOCAL LAWS AND REGULATIONS, HAVE BEEN CONSULTED IN PREPARING THIS M.S.D.S.

<http://www.slideproducts.com/general.htm>