

MATERIAL SAFETY DATA SHEET

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

PRODUCT NAME: BULK DRY FILM LUBE NON-OZONE DEPLETING

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REVISION DATE: SEPT. 1, 2009
PRODUCT NUMBER: 411 Bulk
D.U.N.S. NUMBER: 00-299-4168

THIS MSDS IS APPLICABLE TO: 41101B, 41105B and 41155B UNITS

SECTION I. IDENTIFICATION

CHEMICAL NAME: LOW MOLECULAR PTFE DISPERSION
CHEMICAL FAMILY: FLUOROCARBON
FORMULA: 41101B, 41105B, and 41155B
SYNONYMS: SLIDE DRY FILM LUBE
CHEMICAL ABSTRACT REGISTRY NUMBER: N/A, MIXTURE
H.M.I.S. RATING: 2, 0, 0, G

1 GALLON SHIPPING INFORMATION:

DOT HAZARD CLASSIFICATION: ORM-D
DOT SHIPPING NAME: CONSUMER COMMODITY
IDENTIFICATION NUMBER: NONE
PACKING GROUP: N/A

5 & 55 GALLON SHIPPING INFORMATION:

DOT HAZARD CLASSIFICATION: 6.1
DOT SHIPPING NAME: TRICHLOROETHYLENE SOLUTION
IDENTIFICATION NUMBER: UN 1710
PACKING GROUP: III

SECTION II. PHYSICAL DATA

BOILING POINT: 103-189 DEGREES F.
FREEZING POINT: <-50 DEGREES F.
SPECIFIC GRAVITY (H2O = 1): 1.39
WEIGHT PER GALLON @ 60 F.: 11.66
VAPOR PRESSURE @ 70 F. (MM HG): 59
VAPOR DENSITY (AIR = 1): >1
SOLUBILITY IN WATER, % BY WEIGHT: 99
EVAPORATION RATE (MINUTES): >1.5
APPEARANCE AND ODOR: MILKY-WHITE LIQUID, HALOGENATED HC ODOR

SECTION III. HAZARDOUS INGREDIENTS

MATERIAL:	APPROX. WT. %:	CAS NUMBER:	PEL(OSHA):
PTFE SOLIDS	1.0	68604-99-9*	N/A
ISOPROPANOL	4.0	67-63-0	400 PPM
TRICHLOROETHYLENE**	95	79-01-6	100 PPM

**SEE SECTIONS X AND XI FOR DETAILED CAUTIONS

SECTION IV. FIRE AND EXPLOSION HAZARD DATA

FLAMMABLE LIMITS IN AIR: LEL: N/A UEL: N/A (VOLUME %)
FLASH POINT: CONCENTRATE WILL NOT FLASH
SPECIAL FIRE FIGHTING PROCEDURES: USE SELF-CONTAINED BREATHING APPARATUS
UNUSUAL FIRE & EXPLOSION HAZARDS: CONCENTRATE VAPORS FORM HCl, HF, AND TRACES OF PHOSGENE UPON PYROLYSIS

SECTION V. REACTIVITY DATA

STABILITY: STABLE
INCOMPATIBILITY (MATERIALS TO AVOID): NONE KNOWN
HAZARDOUS COMBUSTION BY-PRODUCTS: SEE SECTION IV
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR
CONDITIONS TO AVOID: OPEN FLAMES AND HOT GLOWING OBJECTS

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

THRESHOLD LIMIT VALUE: 100 PPM

- **EFFECTS OF OVEREXPOSURE ***

INGESTION (SWALLOWING): IN LARGE AMOUNTS, NARCOSIS OR DEATH IF UNTREATED-CALL PHYSICIAN IMMEDIATELY.
INHALATION: GIDDINESS (VERTIGO), POSSIBLE NARCOSIS, SEVERAL HOURS EXPOSURE TO LEVELS OVER 15,000 PPM MAY CAUSE DEATH.
SKIN CONTACT: TEMPORARY IRRITATION-DEFATTING OF SKIN
EYE CONTACT: TEMPORARY IRRITATION

- **EMERGENCY AND FIRST AID PROCEDURES ***

SKIN: WASH WITH SOAP AND WATER
INHALATION: REMOVE TO FRESH-AIR LOCATION AWAY FROM EXPOSURE
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: REMOVE LEAKING CONTAINER TO OUTSIDE DISPOSAL SITE.
WASTE DISPOSAL METHOD: STANDARD FOR SOLVENT DRUMS. SEND TO LICENSED RECLAIMER OR APPROVED LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL 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: STORE INDOORS. DO NOT WELD ON EMPTY CONTAINERS. WASH HANDS BEFORE SMOKING OR EATING.
OTHER PRECAUTIONS: VAPORS ARE HEAVIER THAN AIR, AND MAY COLLECT IN LOW AREAS.

DO NOT ENTER WITHOUT ADEQUATE BREATHING APPARATUS AND AN OBSERVER.

SECTION X. EFFECTS OF PROLONGED EXPOSURE

TRICHLOROETHYLENE: PROLONGED EXPOSURE MAY CAUSE SKIN IRRITATION, MAY BE ABSORBED THROUGH SKIN TO SOME DEGREE. EXCESSIVE INHALATION CAUSED IRRITATION TO UPPER RESPIRATORY TRACT AND MAY INCREASE SENSITIVITY TO EPINEPHRINE, AND INCREASED MYOCARDIAL IRRITABILITY (IRREGULAR HEARTBEATS). MINIMAL ANESTHETIC EFFECTS AT LEVELS OF 200-400 PPM. DIZZINESS AT HIGHER LEVELS: AT 1000-2000 PPM UNCONSCIOUSNESS AND DEATH. CONCENTRATIONS OVER 6000 PPM ARE IMMEDIATELY HAZARDOUS TO LIFE. LC50 FOR RATS IS 12,500 PPM FOR 4 HOURS. ALCOHOL WILL ENHANCE ADVERSE EFFECTS. EXCESSIVE EXPOSURE MAY CAUSE LIVER OR KIDNEY EFFECTS; LOWER CONCENTRATIONS ABOVE ACCEPTED GUIDELINES MAY CAUSE CENTRAL OR PERIPHERAL NERVOUS SYSTEM EFFECTS.

SECTION XI. CARCINOGENIC HAZARD

CALIFORNIA PROPOSITION 65: THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. PROLONGED EXPOSURE ABOVE THE OSHA PERMISSIBLE LIMITS MAY RESULT IN LIVER AND KIDNEY DAMAGE. TRICHLOROETHYLENE HAS BEEN EXTENSIVELY STUDIED FOR CHRONIC EFFECTS IN ANIMALS. WHILE THERE ARE STUDIES IN WHICH TUMORS WERE INDUCED IN MICE, THERE IS NO DOCUMENTED EVIDENCE THAT EXPOSURE TO TRICHLOROETHYLENE PRODUCES CANCER IN HUMANS. TRICHLOROETHYLENE IS LISTED IN GROUP 2A BY IARC BUT IS NOT LISTED BY NTP OR OSHA.

SECTION XII. REPORTING REQUIREMENTS

THIS PRODUCT CONTAINS THE FOLLOWING CHEMICAL(S) REQUIRED TO BE REPORTED UNDER SARA TITLE III, SECTION 313: TRICHLOROETHYLENE, CAS NUMBER 79-01-6. REPORTING REQUIREMENTS UNDER CERCLA PART 302 ARE 100 POUNDS. ANY RELEASES WHICH EXCEED THE RQ MUST BE REPORTED TO THE NATIONAL RESPONSE CENTER AT 800-424-8802.

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/mold.htm>