

MATERIAL SAFETY DATA SHEET

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

PRODUCT NAME: SLIDE CUTTING OIL AEROSOL

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REVISION DATE: SEPT. 1, 2009  
PRODUCT NUMBER: 41316  
D.U.N.S. NUMBER: 00-299-4168

**SECTION I. INGREDIENTS**

CHEMICAL NAME: LUBRICANT SOLUTION  
CHEMICAL FAMILY: SULPHURIZED ALIPHATIC OIL  
FORMULA: 41316  
SYNONYMS: CUTTING OIL  
DOT HAZARD CLASSIFICATION: ORM-D  
DOT SHIPPING NAME: CONSUMER COMMODITY  
CHEMICAL ABSTRACT REGISTRY NUMBER: N/A, MIXTURE  
IDENTIFICATION NUMBER: NONE  
H.M.I.S. RATING: 2,3,0,B

**SECTION II. PHYSICAL DATA**

BOILING POINT: RANGE 200-450 DEGREES F.  
FREEZING POINT: 0 DEGREES F.  
SPECIFIC GRAVITY (H2O=1): .9  
WEIGHT PER GALLON @ 60 F.: 7.56  
VAPOR PRESSURE OF CONCENTRATE @ 70 F. (MM HG): 59  
VAPOR SENSITY (AIR =1): >1  
SOLUBILITY IN WATER, % BY WT.: NIL  
PERCENT VOLATILE BY WEIGHT: 11  
EVAPORATION RATE (MINUTES): DOES NOT EVAPORATE  
APPEARANCE AND COLOR: BROWN VISCOUS OIL – CHLORINATED SOLVENT ODOR

**SECTION III. HAZARDOUS INGREDIENTS**

| MATERIAL:          | APPROX. WT. %: | CAS NUMBER: | PEL(OSHA) |
|--------------------|----------------|-------------|-----------|
| LUBRICANT OIL      | 75-85          | MIXTURE     | N/A       |
| TRICHLORETHYLENE** | 5-15           | 79-01-6     | 100 PPM   |
| PROPANE A-108      | 4-10           | 74-98-6     | 1000 PPM  |

\*\*CONTAINS NO OZONE DEPLETING CHEMICALS\*\*

ALL COMPONENTS OF THIS PRODUCT ARE LISTED ON THE TSCA DIRECTORY

\*\*SEE SECTIONS X AND XI FOR DETAILED CAUTIONS

**SECTION IV. FIRE AND EXPLOSION HAZARD DATA**

FLAMMABLE LIMITS IN AIR: LEL: 1.0 UEL: 9.5 (% VOLUME IN AIR)  
FLASH POINT: >220 DEGREES F.  
AEROSOL FLAME PROJECTION TEST: > 18"  
EXTINGUISHING MEDIA: DRY CHEMICAL, FOAM, CO2  
SPECIAL FIRE FIGHTING PROCEDURES: CHLORINATED HYDROCARBON FORM HCI AND TRACES OF PHOSGENE UPON PYROLYSIS  
UNUSUAL FIRE & EXPLOSION HAZARDS: AEROSOLS MAY RUPTURE VIOLENTLY AT TEMPERATURES ABOVE 120° F.

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**SECTION V. REACTIVITY DATA**

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STABILITY: STABLE

INCOMPATIBILITY (MATERIALS TO AVOID): NONE KNOWN

HAZARDOUS COMBUSTION BY-PRODUCTS: SO<sub>2</sub>, AND SEE SECTION IV.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: TEMP. ABOVE 130° F.-DIRECT SUNLIGHT-DO NOT SPRAY NEAR FLAME OR OPEN LIGHTS

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**SECTION VI. HEALTH HAZARD DATA**

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THRESHOLD LIMIT VALUE: 100 PPM

• **EFFECTS OF OVEREXPOSURE \***

INGESTION (SWALLOWING): N/A

INHALATION: INHALATION UNLIKELY

SKIN CONTACT: DEFATTING OF SKIN

EYE CONTACT: TEMPORARY IRRITATION

• **EMERGENCY AND FIRST AID PROCEDURES \***

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, CONSULT PHYSICIAN IMMEDIATELY.

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**SECTION VII. SPILL OR LEAK PROCEDURES**

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STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: REMOVE LEAKING CONTAINER TO OUTSIDE DISPOSAL SITE

WASTE DISPOSAL METHOD: EMPTY FULLY, INCLUDING GAS PRESSURE. DO NOT PUNCTURE OR INCINERATE. CAN MAY BE RECYCLED OR ALTERNATIVELY REMOVED TO A SANITARY LANDFILL IN MOST LOCALITIES. CHECK APPLICABLE REGULATIONS.

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**SECTION VIII. SPECIAL PROTECTION INFORMATION**

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

VENTILATION: MECHANICAL (GENERAL) RECOMMENDED

PROTECTIVE GLOVES: NOT NEEDED

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

OTHER PROTECTIVE EQUIPMENT: AS SPECIFIED BY YOUR COMPANY

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**SECTION IX. SPECIAL PRECAUTIONS**

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE INDOORS AWAY FROM HEAT SOURCES OR DIRECT SUNLIGHT-DO NOT PUNCTURE OR INCINERATE-DO NOT DROP!!

OTHER PRECAUTIONS: DO NOT SPRAY NEAR FLAME OR OPEN LIGHTS.

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**SECTION X. EFFECTS OF PROLONGED EXPOSURE**

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TRICHOLORETHYLENE: PROLONGED EXPOSURE MAY CAUSE SKIN IRRITATION. MAY BE ABSORBED THROUGH SKIN TO SOME DEGREE. EXCESSIVE INHALATION CAUSES 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. LD50 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.

COMMENT: IT IS OUR OPINION THAT THE RELATIVELY LOW CONCENTRATION OF TRICHOLORETHYLENE IN THE PRODUCTS, THE FACT THAT IT IS NOT SPRAYABLE, AND THE LOW RATE OF PRODUCT USAGE COMBINE TO MAKE THE FOREGOING INFORMATION OF ALMOST NO PRACTICAL CONSEQUENCE FOR SLIDE CUTTING OIL AEROSOLS.

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**SECTION XI. CARCINOGENIC HAZARD**

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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.

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**SECTION XII. REPORTING REQUIREMENTS**

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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 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 MSDS.

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