

MATERIAL SAFETY DATA SHEET

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

PRODUCT NAME: BULK BARE METAL CLEANER

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REVISION DATE: 9-1-06  
PRODUCT NUMBER: 450 Bulk  
D.U.N.S. NUMBER: 00-299-4168

**THIS MSDS IS APPLICABLE TO: 45001B, 45005B and 45055B UNITS**

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**SECTION I. IDENTIFICATION**

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CHEMICAL NAME: CHLORINATED SOLVENTS  
CHEMICAL FAMILY: HALOGENATED HYDROCARBON  
FORMULA: 45001B, 45005B, and 45055B  
SYNONYMS: SLIDE BARE METAL CLEANER  
CHEMICAL ABSTRACT REGISTRY NUMBER: N/A, MIXTURE  
H.M.I.S. RATING: 2, 1, 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  
IDENTIFICATION NUMBER: UN 1710  
PACKING GROUP: III-KEEP AWAY FROM FOOD

**SECTION II. PHYSICAL DATA**

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BOILING POINT: 103-189 DEGREES F.  
FREEZING POINT: <-50 DEGREES F.  
SPECIFIC GRAVITY (H2O = 1): 1.45  
WEIGHT PER GALLON @ 60 F.: 12.14  
VAPOR PRESSURE @ 70 F. (MM HG): 59  
VAPOR DENSITY (AIR = 1): >1  
SOLUBILITY IN WATER, % BY WEIGHT: 100  
PERCENT VOLATILE BY WEIGHT: 100  
EVAPORATION RATE (MINUTES): >1.3  
APPEARANCE AND ODOR: WATER-WHITE MOBILE LIQUID, HALOGENATED HC ODOR

**SECTION III. HAZARDOUS INGREDIENTS**

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MATERIAL:	APPROX. WT. %:	CAS NUMBER:	PEL(OSHA):
TRICHLOROETHYLENE**	100	79-01-6	100 PPM

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

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

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FLAMMABLE LIMITS IN AIR: LEL: 8.0 UEL: 10.5 (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

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**SECTION V. REACTIVITY DATA**

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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

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

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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

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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: STANDARD FOR SOLVENT DRUMS. SEND TO LICENSED RECLAIMER OR APPROVED LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL 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: RECOMMENDED BUT NOT REQUIRED

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

OTHER PROTECTIVE EQUIPMENT: AS REQUIRED 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. 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.

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**SECTION X. EFFECTS OF PROLONGED EXPOSURE**

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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.

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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 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.

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