

Material Safety Data Sheet
89-250-954

SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: Protex Sharp-N-Cool Grinding Solution
CATALOG NUMBERS: BG-PTS-GS
PRODUCT USE: Grinding Lubricant & Coolant
MANUFACTURERS NAME: Tweco Products, Inc. EMERGENCY PHONE #: 316-946-8308
STREET ADDRESS: 4200 W. Harry St. P.O. Box 12250
CITY: Wichita STATE: Kansas ZIP CODE: 67277
PREPARED BY: Dennis Wilson Phone #: (316) 946-8308
DATE PREPARED: June 28, 1996 DATE REVISED: January 4, 2000

SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%/RANGE	CAS NUMBER	OSHA PEL	ACGIH TLV
Ethylene Glycol	<33	107-21-1	none	50 PPM
Mineral Oil	<3	64742-52-5	5 PPM	5 PPM
Ethanolamine	.5	141-43-5	3 PPM	3 PPM

SECTION 313. SUPPLIER INFORMATION

THIS PRODUCT DOES DOES NOT CONTAIN TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.

CAS NUMBER	CHEMICAL NAME	%
107-21-1	Ethylene Glycol	<33

SECTION 3 - PHYSICAL DATA

PHYSICAL STATE: Liquid ODOR AND APPEARANCE: Slight oil odor, gray transparent appearance VAPOR PRESSURE(mm Hg): N. Est.
VAPOR DENSITY(air=1): N. Est. EVAPORATION RATE: <1 BOILING POINT (F/C): 212 F./100 C. FREEZING POINT(F/C): 32 F./0 C. pH: 8.5 to 9.0
SPECIFIC GRAVITY: 1.02 SOLUBILITY: Soluble

SECTION 4 - FIRE AND EXPLOSION DATA

FLAMMABILITY: Yes No IF YES, MEANS OF EXTINCTION: N.App.
FLASHPOINT AND METHOD: N. Av. FLAMMABLE LIMIT: N.Av. LEL: N.Av.
UEL: N. Av. UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

N.App.: NON APPLICABLE; N.Av.: NOT AVAILABLE; N.Est.: NOT ESTABLISHED
N.F.P.A. RATING SYSTEM: 0 - INSIGNIFICANT; 1 - SLIGHT; 2 - MODERATE
3 - HIGH; 4 - EXTREME

SECTION 5 - REACTIVITY DATA

CHEMICAL STABILITY: Yes No IF NO, CONDITIONS TO AVOID: N.App.
INCOMPATIBILITY WITH OTHER SUBSTANCES: Yes No IF YES, WHICH ONES?
Strong oxidizers, Chromium trioxide, Potassium permanganate, Sodium peroxide
HAZARDOUS POLYMERIZATION: Will Occur Will Not Occur CONDITIONS TO AVOID: None Known
HAZARDOUS DECOMPOSITION PRODUCTS: None Known

SECTION 6 - HEALTH HAZARD DATA

ROUTE OF ENTRY: SKIN CONTACT [X] SKIN ABSORPTION [] EYE CONTACT [X]
INHALATION [] INGESTION [] EFFECTS OF ACUTE/CHRONIC EXPOSURE TO
PRODUCT: May aggravate chronic skin condition CARCINOGENICITY: No
SIGNS AND SYMPTOMS OF EXPOSURE: Eye irritation, redness of skin or hands.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known
EMERGENCY AND FIRST AID PROCEDURES: EYES: Immediately rinse with clean
water for 20-30 minutes. Obtain medical attention if pain, blinking, tears
or redness persist. SKIN: Wash thoroughly with soap and water.
INHALATION: Remove to fresh air immediately, give oxygen as needed, seek
medical attention. INGESTION: Drink large quantities of luke warm
water. If a large quantity is ingested, induce vomiting.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

LEAK AND SPILL PROCEDURE: Thoroughly flush with water to sewer or absorb
with floor dry and landfill.
WASTE DISPOSAL METHOD: AFTER USE: 1. Ultra-filtration for sewer disposal.
2. Landfill
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in tightly closed
containers. OTHER PRECAUTIONS: N.App.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): Not Required
GLOVES (SPECIFY): Waterproof as required RESPIRATOR (SPECIFY): Not required
EYE (SPECIFY): Safety glasses with side shields FOOTWEAR (SPECIFY): N.App.
CLOTHING (SPECIFY): N.App. OTHER (SPECIFY): N.App
VENTILATION: Not required when product used in enclosed grinder as intended.
LOCAL EXHAUST: None SPECIAL: None MECHANICAL: N.App. OTHER: N.App.
WORK/HYGIENIC PRACTICES: Good personal hygiene should always be followed.

THIS DATA IS OFFERED IN GOOD FAITH AS TYPICAL VALUES. THIS IS NEITHER AN
EXPRESSED NOR IMPLIED PRODUCT SPECIFICATION. RECOMMENDED HANDLING PROCEDURES
AND HYGIENE ARE BELIEVED TO BE ACCURATE, HOWEVER, THESE RECOMMENDATIONS SHOULD
BE REVIEWED IN THE SPECIFIC CONTEXT OF INTENDED USE AND DETERMINED APPROPRIATE
BY THE USER.