

MATERIAL SAFETY DATA SHEET

NFPA HAZARD RATING SCALE 0-4		
HEALTH	FIRE	REACTIVITY
0	0	0

SECTION I NAME AND PRODUCT

MANUFACTURER'S NAME General Tool, Inc.	CONTACT NAME Lee Seung Won
ADDRESS (STREET, CITY, STATE AND ZIP CODE) 2025 ALTON PARKWAY, IRVINE, CA 92606	EMERGENCY TELEPHONE NO. (949)261-2322
TRADE NAME, COMMON NAME OR SPECIFICATION DIAMOND TOOL & BORON NITRIDE TOOLS	APPROVED BY Lee Seung Won
CHEMICAL FAMILY OR PRODUCT TYPE ANY GRADE	DATE 2/1/2003

SECTION II COMPOSITION PER 29CFR 1910-1200 (G) (4)

CHEMICAL NAME	MAX%	COMMON NAME	REG*	CAS #	OSHA	AGGIH TLV	CARCINOGEN
			Y/N		PERMISSIVE		EN (Y/N)
COBALT		SAME	Y	7440-48-4	0.05 mg/m3	0.05 mg/m3	N
COPPER		SAME	Y	7440-50-8	1.0 mg/m3	1.0 mg/m3	N
TIN		SAME	Y	7440-31-5	2.0 mg/m3	2.0 mg/m3	N
TUNGSTEN		SAME	Y	7440-33-7	5.0 mg/m3	5.0 mg/m3	N
SILVER		SAME	Y	7440-22-4	0.1 mg/m3	0.1 mg/m3	N
SILICON CARBIDE		SAME	Y	409-21-2	10.0 mg/m3	10.0 mg/m3	N
GRAPHITE		SAME	Y	7782-42-5	15 MPPCF	5 mg/m3	N

Note: Listed chemicals may be part of the bond system in the usable part of the wheel.

* Materials are regulated by OSHA 29 CFR 1910.1200, Hazard Communication Standard.

SECTION III PHYSICAL AND CHEMICAL DATA

BOILING POINT: NAIF**	MELTING POINT: 800° C	SPECIFIC GRAVITY: 2-4
VAPOR PRESSURE: NAIF**	PERCENT VOLATILE BY VOL.: NAIF**	VAPOR DENSITY : NAIF**
EVAPORATION RATE: NAIF**	SOLUBILITY IN WATER: SLIGHT	SOLUBILITY IN ALCOHOL: NAIF**
SOLUBILITY IN OTHER SOLVENT: SOLUBLE IN STRONG ACID	APPEARANCE AND ODOR SOLID PRODUCT: MAY GIVE OFF ODOR IN USE.	

SECTION IV SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE - NONE.
OTHER PRECAUTIONS: NAIF**

SECTION V CORROSIVITY AND REACTIVITY DATA

STABILITY: UNSTABLE__ STABLE__ POLMERIZATION: MAY OCCUR WILL NOT OCCUR__
INCOMPATABILITY (MATERIALS TO AVOID) NAIF**
DECOMPOSITION PRODUCTS In use, dust and decomposing organic fumes are generated. In most cases, the material removed from the workpiece will be significantly greater than the grinding wheel components. Coolants may produce other decomposition products.
CONDITIONS TO BE AVOIDED NAIF**
NAIF** = NO APPLICABLE INFORMATION FOUND. ***N/A = NOT APPLICABLE

SECTION VI HEALTH, FIRST AID AND MEDICAL DATA

PRIMARY ROUTE(S) OF ENTRY	ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE	FIRST AID AND MEDICAL INFORMATION
INHALATION (DURING GRINDING)	ACUTE: COUGHING, SHORTNESS OF BREATH CHRONIC: MAY AFFECT BREATHING CAPACITY.	REMOVE TO FRESH AIR. ARTIFICIAL RESPIRATION AS NEEDED. OBTAIN MEDICAL ASSISTANCE.
INGESTION (DURING GRINDING)	NO KNOWN ADVERSE EFFECTS, BUT INGESTION NOT RECOMMENDED.	OBTAIN MEDICAL ASSISTANCE.
SKIN, CONTACT & ABSORPTION (DURING GRINDING)	SOME MAY EXPERIENCE SKIN IRRITATION FROM DUST.	WASH AFFECTED AREAS WITH SOAP AND WATER. OBTAIN MEDICAL ASSISTANCE.
EYE (DURING GRINDING)	DUSTS MAY IRRITATE EYES.	WASH WITH LARGE AMOUNTS OF WATER. OBTAIN FIRST AID AND MEDICAL ASSISTANCE, IF NEEDED.
OTHER POTENTIAL HEALTH RISKS (DURING GRINDING)	GRINDING MAY CREATE ELEVATED SOUND LEVELS WHICH MAY AFFECT HEARING AND MAY AGGRAVATE PREEXISTING RESPIRATORY CONDITIONS.	OBTAIN MEDICAL ASSISTANCE.

SECTION VII STORAGE, HANDLING AND USE PROCEDURES.

NORMAL STORAGE AND HANDLING SEE ANSI STANDARD B7.1
NORMAL USE HANDLE WITH ADEQUATE VENTILATION. SEE OSHA 29CFR1910.94 (VENTILATION) AND 29 CFR 1910.1000 (AIR CONTAMINATES)
STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS. NORMAL CLEANUP PROCEDURES.
WASTE DISPOSAL METHOD STANDARD LANDFILL METHODS CONSISTENT WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS.

SECTION VIII PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE) AS NEEDED. FOR APPROVED DUST RESPIRATORS SEE OSHA 29CFR 1910.134		
VENTILATION	LOCAL	RECOMMENDED
	MECHANICAL	RECOMMENDED
	GENERAL	
	OTHER	NAIF**
PROTECTIVE GLOVES	AS DESIRED BY USER	
EYE PROTECTION	RECOMMENDED, SEE OSHA 29CFR 1910.133	
OTHER EQUIPMENT	AS NEEDED HEARING PROTECTION SEE OSHA 29CFR 1910.215 (HEARING PROTECTION)	
MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT WITH THIS MATERIAL. SEE SECTION VII & VIII		

SECTION IX FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	NAIF**	(METHOD USE)	N/A***	FLAMMABLE LIMITS LEL N/A*** UEL N/A***
EXTINGUISHING MEDIA	USE WATER			
SPECIAL FIRE FIGHTING PROCEDURES	NONE			
EXPLOSION POTENTIAL	NAIF**			

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