

# MATERIAL SAFETY DATA SHEET

## Accurate Diamond Tool Corporation

1 Palisade Avenue, Emerson, NJ 07663 [www.accuratediamondtool.com](http://www.accuratediamondtool.com)

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Flammability: 1  
Reactivity: 0  
Rating consistent with NFPA code  
Revised 1/1/2018

Health: 1  
Hazard: 1

### SECTION I - PRODUCT NAME

PRODUCT TRADE NAME OR COMMON NAME: WS COMPOUND  
CHEMICAL FAMILY OR PRODUCT TYPE: Diamond/Polyalkylene Glycol

### SECTION II - COMPOSITION

CHEMICAL NAME	APPRX %	COMMON NAME	REG* (Y/N)	CAS #	P.E.L. (mg/m <sup>3</sup> )	TLV (mg/m <sup>3</sup> )	CARCIN. (Y/N)
1) Polyalkylene Glycol	40-60	Polyalkylene Glycol	N	N/A	None	None	N
2) Ethoxylated Tall Oil	10-25	Ethoxylated Tall Oil	N	Mixture	None Est.	None Est.	N
3) Polyethylene Glycol	1 - 15	Polyethylene Glycol	N	N/A	None Est.	None Est.	N
4) SiO <sub>2</sub>	2 - 20	Silica Amorphous	Y	7631-86-9	6	10	N
5) Diamond	5-20	Diamond	N	7782-40-3	10	10	N

\*Materials are regulated by OSHA 29 CFR 1910.1200. Hazard Communication Standard  
All ingredients are listed under TSCA

### SECTION III - PHYSICAL AND CHEMICAL DATA

BOILING POINT: >200°C  
VAPOR PRESSURE: Nil  
EVAPORATION RATE: N/A  
SOL. IN SOLVENTS: Oxygenated Solvent

MELTING POINT: -50°C  
VOLATILE BY VOL.: 80%  
WATER SOL.: Soluble  
APPEARANCE & ODOR: Translucent, low odor

SPECIFIC GRAV.: 1.2  
VAPOR DENSITY: NAIF  
ALCOHOL SOL.: Soluble

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 100°C (METHOD USED) FMCC; COC  
EXTINGUISHING MEDIA: CO<sub>2</sub>, or Dry Chemical  
SPECIAL FIRE FIGHTING PROCEDURES: None

FLAMMABLE LIMITS LEL: .5 UEL: .5  
EXPLOSION POTENTIAL: None

### SECTION V - HEALTH, FIRST AID AND MEDICAL DATA

<u>ENTRY ROUTE(S):</u>	<u>ACUTE AND CHRONIC HEALTH AND OVEREXPOSURE EFFECTS</u>	<u>FIRST AID AND MEDICAL INFORMATION</u>
INHALATION:	Acute: May irritate respiratory tract. Chronic: Cough may reduce lung capacity	Obtain medical attention
INGESTION:	Irritating to digestive system. Not recommended	Obtain medical attention
SKIN CONTACT:	Can be irritating to skin	Abrasive wash with soap and water
EYE:	Moderate to severe irritation	Flush thoroughly with water, obtain medical attention
OTHER POTENTIAL RISKS:	NAIF	NAIF

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**STABILITY:** UNSTABLE:  STABLE:

**POLYMERIZATION:** MAY OCCUR:  WILL NOT OCCUR:

**INCOMPATIBILITY (MATERIALS TO AVOID):** Low reactivity, avoid strong bases

**DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon monoxide

**CONDITIONS TO BE AVOIDED:** NAIF

### SECTION VII - STORAGE, HANDLING AND USE PROCEDURES

**NORMAL STORAGE AND HANDLING:** Avoid open flames. Strong bases and acids and temperatures above 100°C keep mist and dust levels below PEL/TLV.

**NORMAL USE:** When mist is generated, keep below recommended PEL/TLV levels, or use appropriate respirators. See OSHA 29CFR 1910.1000 AND 29CFR 1910.94

**STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS:** Small spills flush with water. Large spills collect liquid and send to land fill.

**WASTE DISPOSAL METHOD:** Incinerate in furnace where permitted by appropriate local, state, and federal regulations.

### SECTION VIII - PERSONAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION (SPECIFY TYPE):** As needed approved respirator. See OSHA 29CFR 1910.134

**VENTILATION** LOCAL: Recommended  
MECHANICAL (GENERAL): Recommended  
OTHER: NAIF

**PROTECTIVE GLOVES:** PVC coated

**EYE PROTECTION:** Monogoggles

**OTHER EQUIPMENT:** Eye bath and shower available

**MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT:** Wash hands with soap and water. Avoid smoking or open flame.

### SECTION IX - SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Wash after handling

**OTHER PRECAUTIONS:** N/A

### FOR COMPANY USE

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\*\* NAIF = NO APPLICABLE INFORMATION FOUND

\*\*\* N/A = NOT APPLICABLE