

MATERIAL SAFETY DATA SHEET

4011 Hyde Park Blvd.
P. O. Box 1075
Niagara Falls, NY 14302-1075

Telephone: (716) 282-6950

Fax: (716) 282-6971

JANUARY 2011

SECTION I – MATERIAL IDENTIFICATION**Trade/Material Name: WS-HV COMPOUND Diamond/Polyalkylene Glycol****SECTION 2. COMPOSITION**

| CHEMICAL NAME | APPRX | COMMON NAME | REG* (Y/N) | CAS # | P.E.L. (mg/m ³) (m | TLV g/m ³) (| CARCIN. Y/N) |
|-------------------------|-------|----------------------|---------------|----------------|-----------------------------------|-----------------------------|-----------------|
| 1) Polyalkylene Glycol | 30-60 | Polyalkylene Glycol | N | N/A None | | None | N |
| 2) Ethoxylated Tall Oil | 10-30 | Ethoxylated Tall Oil | N | Mixture None | | None | N |
| 3) Polyethylene Glycol | 1- 10 | Polyethylene Glycol | N | N/A None | Est. | Est. | |
| 4) SiO ₂ | 7-20 | Silica Amorphous | Y | 7631-86-9 6 10 | Est. | Est. | |
| 5) Diamond 5- | 20 | Diamond | N | 7782-40-3 10 | | 10 | |

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

SECTION 3. PHYSICAL AND CHEMICAL DATA

BOILING POINT: >200°C MELTING POINT: -50°C SPECIFIC GRAV.: 1.2
 VAPOR PRESSURE: Nil VOLATILE BY VOL.: 80% VAPOR DENSITY: NAIF
 EVAPORATION RATE: N/A WATER SOL.: Soluble ALCOHOL SOL.:
 Soluble SOL. IN SOLVENTS: Oxygenated Solvent APPEARANCE & ODOR: Translucent, low odor .

SECTION 4 FIRE AND EXPLOSION DATA

FLASH POINT: 100°C (METHOD USED) PMCC; COC **EXTINGUISHING MEDIA:** CO₂, or Dry Chemical **SPECIAL FIRE FIGHTING PROCEDURES:** None

SECTION V HEALTH, FIRST MD AND MEDICAL DATA**ACUTE AND CHRONIC HEALTH ENTRY ROUTE(S): AND OVEREXPOSURE EFFECTS**

INHALATION: Acute: May irritate respiratory tract. Chronic: Cough may reduce lung capacity

FLAMMABLE LIMITS LEL: .5 **UEL:** .5 EXPLOSION POTENTIAL: None**FIRST AID AND MEDICAL INFORMATION**

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 NAT

SPECIALISTS IN EQUIPMENT AND SUPPLIES FOR THE METALLURGICAL LABORATORY SINCE 1968

SECTION 5. CORROSIVITY AND REACTIVITY DATA

STABILITY: UNSTABLE: STABLE

POLYMERIZATION: MAY OCCUR WILL NOT OCCUR: E

INCOMPATIBILITY (MATERIALS TO AVOID): Low reactivity, avoid strong bases**DECOMPOSITION PRODUCTS:** Carbon Dioxide, Carbon monoxide**CONDITIONS TO BE AVOIDED: NAIF**

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SECTION 6 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 PEUFLV.

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 7. PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): As needed approved respirator. Sec OSHA29CFR 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 OE CONTAMINATED EQUIPMENT: Wash hands with soap and water. Avoid smoking or open flame.

SECTION 8. 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*