MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND EMERGENCY CONTACT INFORMATION

MATERIAL NAME: DIAMOND POWDER

PRODUCT CODES:

<table>
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<tr>
<th>MICRON</th>
<th>5 CARAT PART #</th>
<th>100 CARAT PART #</th>
<th>MICRON</th>
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EMERGENCY CONTACTS:
NORTH AMERICA (24 HRS) – CHEMTREC 1 (800) 424-9300
OUTSIDE NORTH AMERICA (COLLECT) – 1 (703) 527-3887

NON – EMERGENCY CONTACT: 1 (740) 548-4100 (8:00 AM – 5:00 PM EST)

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
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<tr>
<th>CHEMICAL NAME</th>
<th>COMMON NAME</th>
<th>N/A</th>
<th>CAS #</th>
<th>OSHA PEL</th>
<th>TLV</th>
<th>CARCINOGEN</th>
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<td>INDUSTRIAL DIAMOND</td>
<td>N/A</td>
<td>N</td>
<td>7782-40-3</td>
<td>N/A</td>
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COMPOSITION IS PROPRIETARY.
SECTION 3: HAZARDS IDENTIFICATION

ACUTE HEALTH EFFECTS: MAY CAUSE EYE IRRITATION, SERIOUS EYE DAMAGE, AND SKIN IRRITATION DUE TO MECHANICAL ABRASION OF DIAMOND POWDERS. THE FINE DIAMOND POWDER MAY BE INHALED WHICH MAY CAUSE RESPIRATORY IRRITATION.

CHRONIC HEALTH EFFECTS:

VERY LOW PROBABILITY OF CHRONIC EFFECTS DUE TO POSSIBLE EXPOSURE TO NICKEL DUST CONTAINED WITHIN THE DIAMOND POWDERS

CARCINOGENIC EFFECTS – CLASSIFIED AS 4 (NOT CLASSIFIABLE FOR HUMAN OR ANIMAL)

MUTAGENIC EFFECTS – NONE FOR HUMAN

TETRATOGENIC EFFECTS – NONE FOR HUMAN

DEVELOPMENTAL TOXICITY – NONE FOR HUMAN

SECTION 4: FIRST AID MEASURES:

EYE CONTACT: IN CASE OF EYE CONTACT, CHECK FOR AND REMOVE CONTACT LENSES. FLUSH WITH TEPID WATER FOR AT LEAST 15 MINUTES WHILE HOLDING THE EYELIDS OPEN. SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS.

SKIN CONTACT: CAREFULLY REMOVE CONTAMINATED CLOTHING, WASH EXPOSED AREA WITH SOAP AND WATER AND SEEK MEDICAL ATTENTION IF IRRITATION PERSISTS OR WORSENS.

INHALATION CONTACT: IN CASE OF INHALATION, OBSERVE PERSONAL SAFETY FIRST, IF POSSIBLE MOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT ADMINISTER OXYGEN. IF BREATHING HAS STOPPED, ADMINISTER ARTIFICIAL RESPIRATION AND CALL FOR EMERGENCY MEDICAL ASSISTANCE.

INGESTION CONTACT: THE DIAMOND POWDER WILL NOT CAUSE ANY GASTRIC UPSET.
SECTION 5: FIRE, EXPLOSION DATA AND MEASURES

FLAMMABILITY: N/A
AUTO-IGNITION: N/A
FLASH POINT: N/A
FLAMMABLE LIMITS: LEL: NOT APPLICABLE  UEL: NOT APPLICABLE
PRODUCTS OF COMBUSTION: N/A
EXTINGUISHING MEDIA: USE EXTINGUISHING MEDIA NECESSARY FOR SURROUNDING FIRE
SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS:
ALWAYS WEAR SELF-CONTAINED BREATHING APPARATUS ON POSITIVE PRESSURE. USE WATER TO KEEP MATERIAL IN OR NEAR FIRE COOL. HIGH PRESSURE WATER MAY SPREAD FIRES. AVOID ANY BODILY CONTACT WITH SUBSTANCE OR WATER FROM FIRE FIGHTING. WATER FROM FIRE FIGHTING SHOULD BE CONTAINED AND DISPOSED PER INSTRUCTIONS IN SECTION 12.

SECTION 6: ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR RELEASE: ALWAYS WEAR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT PER SECTION 8. CAREFULLY SWEEP UP SPILLED MATERIAL.

SECTION 7: HANDLING AND STORAGE

HANDLING: HANDLE WITH CARE TO PREVENT DUST IN AIR.
STORAGE: INDUSTRIAL DIAMOND POWDERS ARE INERT AND MAY BE STORED ANYWHERE.
SECTION 8: EXPOSURE CONTROLS/PERS0NAL PROTECTION

ENGINEERING CONTROLS: USE ADEQUATE VENTILATION TO PROVIDE FRESH AIR DURING POLISHING PROCESS. DO NOT GENERATE DUST, FUMES OR MIST.

PERSONAL PROTECTIVE EQUIPMENT (PPE) DURING POLISHING PROCESS

EYE PROTECTION: SAFETY GLASSES WITH SIDE SHIELDs ARE RECOMMENDED.

RESPIRATORY PROTECTION: NOT NORMALLY NEEDED

SKIN PROTECTION: PROTECTIVE GLOVES PREVENT CONTACT WITH SKIN.

PERSONAL PROTECTIVE EQUIPMENT IN CASE OF ACCIDENTAL SPILL

EYE PROTECTION: DUST AND MIST PROTECTIVE GOGGLES OR FACE SHIELD

RESPIRATORY PROTECTION: NOT NORMALLY NEEDED

SKIN PROTECTION: PROTECTIVE GLOVES PREVENT CONTACT WITH SKIN.

IN CASE OF SPILL OBSERVE THE ACGIH TLV VALUES WHEN SELECTING THE APPROPRIATE PPE.
SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: SEE TABLE AT BEGINNING OF MSDS

PHYSICAL STATE: OILY/GREASY LIQUID

ODOR: MILD PETROLEUM

SOLUBILITY: NOT SOLUBLE IN WATER

PH: NOT APPLICABLE

BOILING POINT: APPROX. 500°-700° F (260°-370°C)

VISCOSITY: APPROX. 0.85 @ 70°F (20°C) WATER = 1

FLASH POINT: >295°F (>145°C)

AUTO IGNITION: >600°F (>315°C)

SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE UNDER NORMAL CONDITIONS

CONDITIONS TO AVOID: HIGH TEMPERATURES AND IGNITION SOURCES

MATERIALS TO AVOID: STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE AND CARBON DIOXIDE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: INHALATION, INGESTION

TOXICITY: MAGNESIUM FLUOROSILICATE – LETHAL ORAL TOXICITY 125 MG PER KILOGRAM IN RAT
SPECIAL REMARKS ON ACUTE EFFECTS ON HUMANS AS POWDER:
SKIN IRRITATION, EYE IRRITATION, IRRITATION OF MUCOUS MEMBRANES
LUNG INJURY, GASTROINTESTINAL TRACT IRRITATION

GENERALLY LOW HAZARD FOR NORMAL INDUSTRIAL USE.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: ONLY HAZARDOUS IF RELEASED IN VERY LARGE QUANTITIES, THEN
LOCAL AUTHORITIES NEED TO NOTIFIED.

BOD AND COD: NOT AVAILABLE

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSE OF UNUSED COMPOUND ACCORDING TO FEDERAL, STATE OR LOCAL
LAWS.

SECTION 14: TRANSPORT INFORMATION

THIS PRODUCT IS NOT A DOT CONTROLLED MATERIAL.

SECTION 15: REGULATORY INFORMATION

29CFR 1910.1200 HAZ COM: IRRITANT, EYES, RESPIRATORY, SKIN
SARA 313: NOT REPORTABLE
HMIS (USA)       NFPA (USA)

HEALTH HAZARD: 1  HEALTH HAZARD: 1
FIRE HAZARD: 1    FIRE HAZARD: 1
REACTIVITY: 0     REACTIVITY: 0

PPE:               GLOVES, GLASSES & PROPER CLOTHING

SECTION 16: OTHER INFORMATION

DIAMOND COMPOUNDS ARE SOLD FOR PROFESSIONAL USE ONLY.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE.
HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE
DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.

VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD PARTY PERSONS
PROXIMATELY CAUSED BY THE MATERIAL IF REASONABLE SAFETY PROCEDURES ARE NOT
ADHERED TO AS STIPULATED IN THE MATERIAL SAFETY DATA SHEET.

ADDITIONALLY, VENDOR ASSUMES NO RESPONSIBILITY FOR INJURY TO VENDEE OR THIRD
PARTY PERSONS PROXIMATELY CAUSED BY ABNORMAL USE OF THIS MATERIAL EVEN IF
REASONABLE SAFETY PROCEDURES ARE FOLLOWED.

FURTHERMORE, VENDEE ASSUMES THE RISK IN USE OF THIS MATERIAL.

<table>
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<th>CREATION DATE</th>
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<th>REVISION DATE</th>
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