

# MATERIAL SAFETY DATA SHEET

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## SECTION 1: PRODUCT AND EMERGENCY CONTACT INFORMATION

**MATERIAL NAME:** DIA-GLO™ D - DARK GRANITE POLISHING COMPOUND  
DIA-GLO™ L - LIGHT GRANITE POLISHING COMPOUND  
DIA-GLO™ S - BLACK GRANITE POLISHING COMPOUND

**PRODUCT CODES:** DIA-GLO™ D - C920GD03 & C920GD24  
DIA-GLO™ L - C920GL03 & C920GL24  
DIA-GLO™ S – C920SP02 & C920SP01

**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

<u>CHEMICAL NAME</u>	<u>COMMON NAME</u>	<u>REG.</u> Y/N	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH</u> TLV	<u>CARCINOGEN</u>
ALUMINUM OXIDE	N/A	N	1344-28-1	N/A	10	N/CLASS 4
INDUSTRIAL DIAMOND	N/A	N	7782-40-3	N/A	10.0 (PNOC)	N/CLASS 4
MAGNESIUM FLUORIDE	N/A	N	1897-25-60	N/A	2.5 (AS F)	N/CLASS 4

THE COMPOSITION OF THESE COMPOUNDS IS PROPRIETARY.

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## **SECTION 3: HAZARDS IDENTIFICATION**

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**ACUTE HEALTH EFFECTS:** TOXIC IF INGESTED OR INHALED, MAY CAUSE EYE IRRITATION OR SERIOUS EYE DAMAGE, CONTACT MAY IRRITATE SKIN. COMPOUNDS WILL LIBERATE TOXIC HYDROGEN FLUORIDE GAS ON CONTACT WITH ACIDS.

### **CHRONIC HEALTH EFFECTS:**

REPEATED OR PROLONGED EXPOSURE MAY CAUSE DEMATITIS. PRE-EXISTING HEALTH CONDITIONS MAY BE AGGRAVATED BY EXPOSURE TO COMPONENTS OF THESE PRODUCTS.

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

**MUTAGENIC EFFECTS** – NOT AVAILABLE

**TETRATOGENIC EFFECTS** – NONE FOR HUMAN

**DEVELOPMENTAL TOXICITY** – NOT AVAILABLE

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## **SECTION 4: FIRST AID MEASURES:**

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**EYE CONTACT:** IN CASE OF EYE CONTACT, CHECK FOR AND REMOVE CONTACT LENSES. FLUSH WITH TEPID WATER FOR AT LEAST 15 MINUTES WHILE HOLDING TH 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:** SEEK IMMEDIATE MEDICAL ATTENTION. GIVE WATER TO DILUTE. DO NOT INDUCE VOMITING UNLESS DIRECTED BY QUALIFIED/LICENSED MEDICAL PERSONNEL. NEVER TRY TO GIVE ANYTHING BY MOUTH IF THE PERSON IS UNCONCIOUS.

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## SECTION 5: FIRE, EXPLOSION DATA AND MEASURES

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**FLAMMABILITY:** NOT FLAMMABLE

**AUTO-IGNITION:** NOT APPLICABLE

**FLASH POINT:** NOT APPLICABLE

**FLAMMABLE LIMITS:** LEL: NOT APPLICABLE UEL: NOT APPLICABLE

**PRODUCTS OF COMBUSTION:** ABOVE 100°C POSSIBLE FLUORIDE FUMES

**EXTINGUISHING MEDIA:** IN PRESENCE OF FIRE USE WATER

**SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS:**

ALWAYS WEAR SELF-CONTAINED BREATHING APPARATUS ON POSITIVE PRESSURE. USE WATER TO KEEP MATERIAL IN OR NEAR FIRE COOL. 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**.

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**IN CASE OF SPILL OR RELEASE:** ALWAYS WEAR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT PER SECTION 8. PROVIDE ADEQUATE VENTILATION TO THE AREA OF THE SPILL. AVOID RAISING DUST DURING THE CLEAN UP PROCESS. USE APPROPRIATE TOOLS TO CLEAN UP AS MUCH OF THE SPILL AS POSSIBLE AND PLACE SOLIDS IN A WASTE DISPOSAL CONTAINER. COMPLETE THE CLEAN UP BY MOPPING UP THE REMAINING DUST AND DEBRIS. COLLECT ALL MOP WATER AND DRY MATERIAL AND DISPOSE OF IN ACCORDANCE TO FEDERAL, STATE OR LOCAL GUIDELINES FOR THIS MATERIAL.

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## **SECTION 7: HANDLING AND STORAGE**

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**HANDLING:** USE ONLY WITH ADEQUATE VENTILATION. ALWAYS WEAR THE CORRECT PERSONAL PROTECTIVE EQUIPMENT PER **SECTION 8**. AVOID ANY CONTACT WITH EYES OR SKIN. IF YOU HAVE ANY SYMPTOMS OF SICKNESS SEEK MEDICAL ATTENTION AND PROVIDE THE MEDICAL PERSONNEL WITH A COPY OF THIS MSDS.

**STORAGE:** STORE THIS CHEMICAL IN DRY LOCATION APART FROM ANY OF THE INCOMPATIBLE CHEMICALS LISTED IN **SECTION 10**.

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## **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**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:** DUST RESPIRATOR DURING THE MIXING PROCESS TO PREVENT INHALATION OF DUST

**SKIN PROTECTION:** PROTECTIVE BOOTS, GLOVES AND APRON TO PREVENT CONTACT WITH SKIN.

### **PERSONAL PROTECTIVE EQUIPMENT IN CASE OF ACCIDENTAL SPILL**

**EYE PROTECTION:** DUST AND MIST PROTECTIVE GOGGLES OR FACE SHIELD

**RESPIRATORY PROTECTION:** ½ MASK RESPIRATOR WITH CARTRIDGES MATCHED TO CHEMICAL RELEASE OR DUST.

**SKIN PROTECTION:** FULL PROTECTIVE SUIT WITH APPROVED BOOTS AND GLOVES.

**IN CASE OF SPILL OBSERVE THE ACGIH TLV VALUES WHEN SELECTING THE APPROPRIATE PPE.**

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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<b>APPEARANCE:</b>	DIA-GLO™ D & TYPE S – DARK GRAY/BLACK  DIA-GLO™ L – WHITE
<b>PHYSICAL STATE:</b>	POWDER
<b>ODOR:</b>	ODORLESS
<b>SOLUBILITY:</b>	COMPLETELY SOLUBLE IN WATER
<b>PH:</b>	7 to 8 in water
<b>BOILING POINT:</b>	NOT APPLICABLE
<b>VISCOSITY:</b>	NOT APPLICABLE
<b>FLASH POINT:</b>	NOT APPLICABLE
<b>AUTO IGNITION:</b>	NOT APPLICABLE

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## SECTION 10: STABILITY AND REACTIVITY

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<b>STABILITY:</b>	STABLE UNDER NORMAL CONDITIONS
<b>CONDITIONS TO AVOID:</b>	KEEP POWDERS DRY UNTIL READY FOR USE
<b>MATERIALS TO AVOID:</b>	REACTIVE WITH ACIDS AND OXIDIZING AGENTS
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	TOXIC FLUORIDE GASES
<b>HAZARDOUS POLYMERIZATION:</b>	WILL NOT OCCUR

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## SECTION 11: TOXICOLOGICAL INFORMATION

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<b>ROUTES OF ENTRY:</b>	INHALATION, INGESTION
<b>TOXICITY:</b>	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.

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## **SECTION 12: ECOLOGICAL INFORMATION**

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**ECOTOXICITY:** CONTAINED FLUORIDES CAN BE TOXIC, CARE SHOULD BE TAKEN TO PREVENT ENTRY OF PRODUCT INTO ENVIRONMENT.

**BOD AND COD:** NOT AVAILABLE

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## **SECTION 13: DISPOSAL CONSIDERATIONS**

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DISPOSE OF UNUSED POWDER ACCORDING TO FEDERAL, STATE OR LOCAL LAWS. EMPTY CONTAINERS MAY CONTAIN TRACE AMOUNTS OF POWDER AND SHOULD BE TREATED AS POSSIBLY HARMFUL

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## **SECTION 14: TRANSPORT INFORMATION**

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THIS PRODUCT IS NOT A DOT CONTROLLED MATERIAL.

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## **SECTION 15: REGULATORY INFORMATION**

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**29CFR 1910.1200 HAZ COM:** IRRITANT, EYES, RESPIRATORY, SKIN

**SARA 313:** NOT REPORTABLE

**HMIS (USA)**

HEALTH HAZARD: 2

FIRE HAZARD: 0

REACTIVITY: 0

**NFPA (USA)**

HEALTH HAZARD: 2

FIRE HAZARD: 0

REACTIVITY: 0

PPE: E

PPE: GLOVES, LAB COAT, BOOTS, GLASSES

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## SECTION 16: OTHER INFORMATION

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DIA-GLO™ POLISHING 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 PRECEDURES 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.

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

<u>CREATION DATE</u>	<u>CREATED BY</u>	
3/1/2011	D. ANDERSON	-
<u>REVISION DATE</u>	<u>REVISED BY</u>	<u>REASON FOR REVISION</u>