



SAFETY DATA SHEET

REVISION: 08/25/2015

8400 Green Meadows Dr.
P.O. Box 545
Lewis Center, OH 43035

P: 740.548.4100
F: 740.548.7616

DIA-GLO™ S LIQUID BLACK GRANITE POLISHING COMPOUND

1. PRODUCT & COMPANY INFORMATION

1.1 PRODUCT IDENTIFIER(S)

PRODUCT NAME: DIA-GLO™ S LIQUID
BLACK GRANITE POLISHING COMPOUND
STOCK NUMBER: C920SL02 & C920SL01

1.2 COMPANY INFORMATION

ABRASIVE TECHNOLOGY, INC
8400 GREEN MEADOWS DR.
LEWIS CENTER, OHIO 43035

TELEPHONE 740-548-4100 (8:00 am TO 5:00 pm EST)
FAX 740-548-7617

1.3 EMERGENCY PHONE NUMBERS

NORTH AMERICA (24 HRS) CHEMTREC 800-424-9300
OUTSIDE NORTH AMERICA (COLLECT) 703-527-3887

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

HAZARD STATEMENTS

H315: CAUSES SKIN IRRITATION (CATEGORY 2)
H319: CAUSES SERIOUS EYE IRRITATION (CATEGORY 2A)
H335: MAY CAUSE RESPIRATORY IRRITATION (CATEGORY 3)

2.2 GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

LABEL ELEMENTS

GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

HAZARD PICTOGRAMS



GHS07

SIGNAL WORD: DANGER

HAZARD-DETERMINING COMPONENTS OF LABELING:

MAGNESIUM FLUORIDE

PRECAUTIONARY STATEMENTS

P261	Avoid breathing dust/fumes/gas/mist/vapors/spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in a well ventilated area
P280	Wear protective gloves/ eye protection/ face protection.
P303 + P353 + P361	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P312	If INHALED, Remove victim to fresh air and keep at rest in A position comfortable for breathing/ Call POISON CONTROL CENTER or doctor/physician
P305 + P338 + P351	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332 + P313	IF skin irritation occurs: Get medical advice/attention
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse
P403 + P233	Store in a well-ventilated place. Keep container tightly closed
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS: NONE

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Hazardous Components – Magnesium Fluoride

Magnesium Fluoride	CAS# 7783-40-6	UNKNOWN
Micron Sized Industrial Diamond	CAS# 7782-40-3	UNKNOWN
Aluminum Oxide	CAS# 1344-28-1	UNKNOWN
De-ionized/Distilled Water	CAS# 7732-18-5	UNKNOWN

Composition is proprietary

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Move out of dangerous area. Show the SDS to doctor/physician in attendance.

If inhaled

If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult medical professional.

In case of skin contact

Wash off with soap and plenty of water. Consult medical professional.

In case of eye contact

Flush eyes with water as a precaution. If possible remove contacts if present. Consult medical professional.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult medical professional.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES

5.1 Non-flammable

But in case of other fire, see below

5.1 Extinguishing media

Suitable extinguishing media- CO₂, sand, dry fire extinguisher, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Hydrogen fluoride/magnesium oxide/carbon oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

<u>Component</u>	<u>CAS-No.</u>	<u>Value</u>	<u>Control</u>	<u>Basis</u>
Magnesium	7783-40-6	TWA	2.5000	USA. Occupational Exposure Limits (OSHA) - Table Z-1 Limits for Air Contaminants
Remarks	CAS # varies with compound			
		TWA	2.5000 mg/m ³	USA. Occupational Exposure Limits (OSHA) - Table Z-2
Z37.28-1969				

	TWA	2.5000 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
Bone damage Fluorosis Substances for which there is a Biological Exposure Index or Indices (see BEI® section) Not classifiable as a human carcinogen varies			
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	TWA	2.5 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
Bone damage Fluorosis Substances for which there is a Biological Exposure Index or Indices (see BEI® section) Not classifiable as a human carcinogen varies			

BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS

<u>Component</u>	<u>CAS-No.</u>	<u>Parameters</u>	<u>Value</u>	<u>Biological specimen</u>	<u>Basis</u>
MAGNESIUM FLUORIDE	7783-40-6	FLUORIDE	3.000 Mg/gm	IN URINE	ACGIH – BIOLOGICAL EXPOSURE INDICES (BEI)
REMARKS		PRIOR TO SHIFT (16 HRS AFTER EXPOSURE CEASES			
		FLUORIDE	10.00 Mg/gm	IN URINE	ACGIH – BIOLOGICAL EXPOSURE INDICES (BEI)
END OF SHIFT (AS SOON AS POSSIBLE AFTER EXPOSURE CEASES)					

BIOLOGICAL OCCUPATIONAL EXPOSURE LIMITS (CONTINUED)

FLUORIDE 2 MG/L URINE ACGIH – BIOLOGICAL EXPOSURE INDICES (BEI)

PRIOR TO SHIFT (16 HOURS AFTER EXPOSURE CEASES)

FLUORIDE 3 MG/L URINE ACGIH – BIOLOGICAL EXPOSURE INDICES (BEI)

END OF SHIFT (AS SOON AS POSSIBLE AFTER EXPOSURE CEASES)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

8.1 Control parameters

Components with workplace control parameters
Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance Form:	White, thick, liquid
b) Odor	Slight/Sweet
c) pH	≈ 4.0
e) Melting point/freezing point	No data available
f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	No data available
n) Water solubility	Soluble
o) Partition coefficient: Noctanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	No data available
s) Explosive properties	No data available

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

Stable

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

Other decomposition products - no data available

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity No data available

Skin corrosion/irritation No data available

Serious eye damage/eye irritation No data available

Respiratory or skin sensitization No data available

Germ cell mutagenicity No data available

Carcinogenicity

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available

Specific target organ toxicity - single exposure: No data available

Specific target organ toxicity - repeated exposure: No data available

Aspiration hazard: No data available

Additional Information RTECS: No data available

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish

no data available

Persistence and degradability

no data available

other aquatic invertebrates

no data available

Toxicity to bacteria

no data available

12.2 Persistence and degradability

no data available

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as
chemical safety assessment not
required/not conducted

12.6 Other adverse effects

no data available

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product – Offer surplus and non-recyclable solutions to a licensed disposal company.
Contact a licensed professional waste disposal service to dispose of this material

Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

NOT
DANGEROUS
GOODS

IMDG

NOT
DANGEROUS
GOODS

IATA

NOT
DANGEROUS
GOODS

15. REGULATORY INFORMATION

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

	<u>CAS-No.</u>	<u>Revision Date</u>
Aluminum Oxide	1344-28-1	1994-04-01

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

	<u>CAS-No.</u>	<u>Revision Date</u>
Aluminum Oxide	1344-28-1	1994-04-01

Pennsylvania Right To Know Components

	<u>CAS-No.</u>	<u>Revision Date</u>
Aluminum Oxide	1344-28-1	1994-04-01
Diamond	7782-40-3	
Magnesium fluoride	7783-40-6	2008-06-01

New Jersey Right To Know Components

	<u>CAS-No.</u>	<u>Revision Date</u>
Aluminum Oxide	1344-28-1	1994-04-01
Diamond	7782-40-3	
Magnesium fluoride	7783-40-6	2008-06-01

15. REGULATORY INFORMATION (CONTINUED)

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

HMIS Rating

Health hazard: 2

Chronic Health Hazard: *

Flammability: 0

Physical Hazard 0

NFPA Rating

Health hazard: 2

Fire Hazard: 0

Reactivity Hazard: 0

Further information

User is granted the ability to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Abrasive Technology, Inc. shall not be held liable for any damage resulting from handling or from contact with the above product.

SDS PREPARATION INFORMATION

ABRASIVE TECHNOLOGY, INC.

DOUGLAS G. ANDERSON

DATE PREPARED: 07/01/2015

DATE REVISED: 08/25/2015

PURPOSE OF REVISION: Minor information update