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SAFETY DATA SHEET

REVISION: 08/26/2015

DIAMOND COMPOUND

1. PRODUCT & COMPANY INFORMATION

1.1 PRODUCT IDENTIFIER(S): DIAMOND COMPOUND

COLOR	2 GM PART #	5 GM PART #		COLOR	2 GM PART #	5 GM PART #
GREEN	C5410210	C5410410		BLUE	C5410310	C5410510
GRAY	C5410230	C5410430		RED	C5410330	C5410530
IVORY	C5410250	C5410450		BROWN	C5410350	C5410550
YELLOW	C5410270	C5410470		PURPLE	C5410370	C5410570
ORANGE	C5410290	C5410490				

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

Petroleum distillate CAS# 6472-53-6 – Aspiration Hazard,(H332) Category 1

2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)
Acute toxicity, Inhalation (Category 1)

For the full text of the H-Statements mentioned in this Section, see Section 16.

SIGNAL WORD: DANGER

2.2 GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

LABEL ELEMENTS

HAZARD PICTOGRAMS

GHS08

SIGNAL WORD: Danger

HAZARD-DETERMINING COMPONENTS OF LABELING:
Hydraulic oil

HAZARD STATEMENTS

H332	Harmful if inhaled.

PRECAUTIONARY STATEMENTS

P301 + P310	IF SWALLOWED: Call Poison Control or Doctor
P331	Do not induce vomiting
P405	Store locked up
P501	Dispose of contents and container to appropriate waste site or re-claimer in accordance with local and national regulations.

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2.3 Hazards not otherwise classified (HNOC) or not covered by GHS –

NONE

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Hazardous Components – Refined Mineral Oil

Petroleum Distillates	**CAS# 64742-53-6**	**50% by WT**
Micron Sized Industrial Diamond	**CAS# 7782-40-3**	**Varies**
Petroleum Distillates	**CAS# 64742-52-5**	**50% by WT**

Composition is proprietary

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice
Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact
Wash off with soap and plenty of water. Remove contaminated clothing. If persistent irritation occurs contact medical personnel.

In case of eye contact
Flush eyes with water as a precaution. If persistent irritation occurs contact medical personnel

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water.

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 Extinguishing media
Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture
Do not use water in a jet, mist only.

5.3 Advice for firefighters
Wear self-contained breathing apparatus for firefighting if necessary. Combustion products may be a mixture of airborne solids, liquid particles and gases. Smoke may include unidentified organic and inorganic compounds.

5.4 Further information
No date available

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Avoid mist formation. Avoid breathing vapors, mist or gas.
For personal protection see section 8.

6.2 Environmental precautions
Use appropriate containment to avoid environmental contamination. Prevent from entering drains/ditches by using sand, earth or other appropriate barriers.

6.3 Methods and materials for containment and cleaning up
Caution: very slippery material. 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

General Precautions : Use local exhaust ventilation if there is risk of inhalation of vapors, mists or aerosols. Properly dispose of any contaminated rags or cleaning materials in order to prevent fires. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

Handling : Avoid prolonged or repeated contact with skin. Avoid inhaling vapor and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used.

Storage : Keep container tightly closed and in a cool, well-ventilated place. Use properly labelled and closeable containers. Storage Temperature: 0 - 50 °C / 32 - 122 °F

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

8.1 Control parameters

Occupational Exposure Limits

Material	Source	Type	ppm	mg/m3	Notation
Oil mist,	mineral	ACGIH TWA (Inhalable fraction.)		5 mg/m3	
Oil mist,	mineral	OSHA Z1 PEL(Mist.)		5 mg/m3	
Oil mist,	mineral	OSHA Z1A TWA(Mist.)		5 mg/m3	

Exposure Controls: The level of protection and types of controls necessary will vary Depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include: Adequate ventilation to control airborne concentrations. Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.

Personal Protective Equipment: Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

Respiratory Protection: No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapors [boiling point >65°C(149 °F)].

Hand Protection: Where hand contact with the product may occur the use of gloves approved to relevant standards (e.g. Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended.

Eye Protection: Wear safety glasses or full face shield if splashes are likely to occur.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

8.2 Exposure controls

Appropriate engineering controls General industrial hygiene practice.

Personal protective equipment

Protective Clothing: Skin protection is not required under normal conditions of use. It is good practice to wear chemical resistant gloves.

Monitoring Methods: Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate.

Environmental Exposure Controls: Minimize release to the environment. An environmental assessment must be made to ensure compliance with local environmental legislation.

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Control of environmental exposure: No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance Form:	Thick liquid @ room temp.
b) Odor	Slight hydrocarbon
c) Odor Threshold	No data available
d) pH	No data available
e) Initial boiling point and boiling range	>250 °C (>482 °F)
g) Flash point	>112 °C (>234 °F)
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	< 0.5 Pa at 20 °C (68 °F) est.
l) Vapor density	No data available
m) Relative density	0.81 – 0.89 g/cm3 @ 20 °C (68 °F)
n) Water solubility	No data available
p) Auto-ignition temperature	> 320 °C (608 °F)
q) Decomposition temperature	No data available
r) Viscosity (Mixture)	No data available
s) Explosive properties	Not explosive
t) Oxidizing properties	Substance or mixture is not classified as oxidizing.

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity	No data available
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	Strong oxidizers
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	LD50 Oral - Rat - > 5,000 mg/kg (OECD Test Guideline 401)
Inhalation	LC50 Rat - 4 h - > 5 mg/l (OECD Test Guideline 403)
Dermal	LD50 Dermal – Rabbit - >2000 mg/kg (OECD Test Guideline 402)
Skin Corrosion/irritation	Rabbit No skin irritation (OECD Test Guideline 404)
Serious eye damage/eye irritation	Eyes – Rabbit No eye irritation (OECD Test Guideline 405)
Respiratory or Skin Sensitization	Buehler Test – Guinea Pig Did not cause sensitization on laboratory animals (OECD Test Guideline 406)

11. TOXICOLOGICAL INFORMATION (CONT.)

Respiratory or skin sensitization

Maximization Test (GPMT) - Guinea pig	Result: Did not cause sensitization on laboratory animals.
Germ cell mutagenicity	No data available
Carcinogenicity	This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
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
Repeated dose toxicity – Rat – Female – Oral – No observed adverse effect level – 1600 mg/kg – Lowest observed adverse effect level – 160 mg/kg
RTECS – Not available

Reproductive & developmental toxicity – Not expected to be a hazard

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish	static test LC50 - Oncorhynchus mykiss (rainbow trout) - > 100 mg/l - 96 h (OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates	static test LC50 - Daphnia magna (Water flea) - > 100 mg/l - 48 h (OECD Test Guideline 202)
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.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)	IMDG	IATA
NOT A DANGEROUS GOOD	NOT A DANGEROUS GOOD	NOT A DANGEROUS GOOD

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: No SARA hazards

SARA 311/312 Hazards
No SARA hazards

Massachusetts Right To Know Components
No components are subject to Massachusetts Right to Know Act

Pennsylvania Right To Know Components
No components are subject to Pennsylvania Right to Know Act

New Jersey Right To Know Components
Mineral oil CAS# 8042-47-2

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: 1
Chronic Health Hazard: *
Flammability: 1
Physical Hazard 0

NFPA Rating
Health hazard: 1
Fire Hazard: 1
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: 08/31/2015 **PURPOSE OF REVISION: INFORMATION UPDATE**