

SECTION 1 -- PRODUCT IDENTIFICATION

IDENTITY (Trade Name): Adamas Diamond Compound "M" & "D"

FAMILY/CHEMICAL NAME: Silicon based polishing compound

PRODUCT USE: Abrasive Polishing Compound

MANUFACTURER/SUPPLIER: BORIDE Engineered Abrasives
2615 Aero Park Dr.
Traverse City MI 49686-9101

ORIGINAL ISSUE DATE: June 30, 2015

TELEPHONE NUMBER: (231) 929-2121

24-HOUR EMERGENCY NUMBER: (231) 922-1959

SECTION 2 – HAZARDS IDENTIFICATION

PRIMARY ROUTES OF EXPOSURE: Skin or eyes.

POTENTIAL HEALTH EFFECTS:

ACUTE: Eyes: Can cause mild irritation, redness and discomfort. May cause eye damage if rubbed as diamond powder is highly abrasive.
Skin: No significant irritation expected from a short term exposure. Mild irritation with prolonged contact.
Inhalation (Breathing): Not expected under normal use conditions.
Ingestion (Swallowing): Mild irritation, chemical pneumonitis if aspirated into lungs due to vomiting.

CHRONIC: Similar to acute.

SIGNAL WORD: Warning



HAZARD STATEMENTS: H 316 (mild skin irritant); H 320 (eye irritant)

PRECAUTIONARY STATEMENTS: P 264 (wash hands after handling); P 280 (wear eye protection)

MEDICAL CONDITION AGGRAVATED BY EXPOSURE: None known.

NFPA RATINGS: Health: 0; Flammability: 0; Reactivity: 0

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

<u>MATERIAL</u>	<u>CAS #</u>	<u>WEIGHT %</u>	<u>PEL</u>	<u>EC#</u>
Silicon Grease	N/E	64% - 77%	N/E	N/E
Diamond particles	7782-40-30	22% - 35%	15 mg/m ³ *	231-953-2
Colorant	N/E	< 1%	N/E	N/E

N/E = not established. *Limit for nuisance dust.

SECTION 4 – FIRST AID MEASURES

EYES: Flush eyes with water for 15 minutes lifting upper and lower lids occasionally. Do not rub eyes. Seek medical attention if irritation or pain persists.

SKIN: Thoroughly wash affected area with soap and water and isolate from exposure.

INHALATION: If symptoms of pulmonary involvement develop (coughing, sneezing, shortness of breath) remove from exposure. If condition persists seek medical attention.

INGESTION: If swallowed, dilute with a large amount of water and seek medical attention.

SECTION 5 – FIREFIGHTING MEASURES

FLASH POINT: > 101 C.

FLAMMABLE LIMITS IN AIR: Not Known. Not flammable.

AUTOIGNITION TEMPERATURE: Not known.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

FIRE FIGHTING PROCEDURES: Extinguish fire.

EXTINGUISHING MEDIA: Foam; dry chemical; carbon dioxide.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES: Wipe, sweep or shovel into closable container for disposal.

METHODS FOR CONTAINMENT: Use absorbent material.

SECTION 7 – HANDLING AND STORAGE

HANDLING: Handle and use in a manner consistent with good industrial/manufacturing techniques and practices.

STORAGE: Keep from freezing.

PERSONAL HYGIENE: Use good personal hygiene. Wash hands before eating, drinking or smoking.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

MATERIAL	CAS #	WEIGHT %	PEL	Hazardous Ingredient (YES/NO)
Silicon Grease	N/E	64% - 77%	N/E	No
Diamond particles	7782-40-30	22% - 35%	15 mg/m ³ *	No
Colorant	N/E	< 1%	N/E	No

N/E = not established. *Limit for nuisance dust.

PRECAUTIONS FOR SAFE USE AND HANDLING

HANDLING PRECAUTIONS: None known.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION (cont'd)

CONTROL MEASURES

EYE PROTECTION: Safety glasses with side shields are recommended.

PROTECTIVE GLOVES: Chemical resistant not required.

RESPIRATORY PROTECTION: Not normally required. Selection and use of respiratory protective equipment, if warranted, should be in accordance with OSHA General Industry Standard 29 CFR 1910.134 in the U.S.A. and with CSA Standard Z94.4-M1982 in Canada.

ENGINEERING CONTROLS: Provide local ventilation to minimize vapor.

OTHER PROTECTIVE EQUIPMENT: None required.

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, APPEARANCE, and ODOR: Thick, odorless paste. Color varies with grade.

ODOR THRESHOLD: Not known.

SPECIFIC GRAVITY: 1.27 – 1.34 (water = 1).

VAPOR DENSITY: NA

BOILING POINT: 300 F.

VAPOR PRESSURE: < 5 mm Hg.

FREEZING POINT: NA

EVAPORATION RATE: Not known.

FLASH POINT: > 101 C.

SOLUBILITY IN WATER: Not-Soluble.

MOLECULAR WEIGHT: Not known.

VOLATILE ORGANIC COMPOUNDS: None.

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable, not reactive with water.

INCOMPATIBILITY (material & conditions to avoid): Strong acids, oxidizing agents.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide.

SECTION 11 – TOXICOLOGICAL INFORMATION

TUMORIGENIC DATA: None available.
ACGIH CARCINOGEN: No.
RTECS Number: N/E
INGESTION: No information available.
INHALATION: No information available.

N/E = not established.

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICITY: No information available.
PERSISTENCE AND DEGRADABILITY: No information available.
MOBILITY IN SOIL: No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose in accordance with federal, state, provincial and local regulations.

SECTION 14 -- TRANSPORTATION INFORMATION

DOT

PROPER SHIPPING NAME: None. HAZARD CLASS: None. ID NUMBER: None

Packaging Group: None. ER Guidebook #: None.

IATA Shipping Name: Not regulated as dangerous goods.

IMO Shipping Name: Not regulated as dangerous goods.

ADR/RID: Not Hazardous

GGVS/GGVE: Not Hazardous

IMDG: Not Hazardous

GGVSea: Not Hazardous

ICAO: Not Hazardous

SECTION 15 -- REGULATORY INFORMATION

TSCA Inventory Status: All components listed

ECHA REACH Candidate List: Not listed

EINECS: All ingredients listed or exempt

EC Number: 231-953-2 (diamond particles)

SARA TITLE III: Product does not contain toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE LIST: Not listed

SECTION 313 TOXIC CHEMICALS LIST: Not listed

FEDERAL RCRA HAZARDOUS WASTE: Not listed

REPORTABLE QUANTITY (RQ), UNDER U.S.: Not listed

N/E = not established.

SECTION 16 -- ADDITIONAL INFORMATION

SDS creation date: June 30, 2015

SDS revision date: August 02, 2018

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