

SECTION 1 -- PRODUCT IDENTIFICATION

IDENTITY (Trade Name): Adamas Diamond Compound "W"
FAMILY/CHEMICAL NAME: Polyethylene Glycol
PRODUCT USE: Abrasive polishing compound
MANUFACTURER/SUPPLIER: BORIDE Engineered Abrasives
2615 Aero Park Dr.
Traverse City MI 49686-9101
ORIGINAL ISSUE DATE: December 2012
TELEPHONE NUMBER: (800) 662-0336
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 moderate irritation, reddening and swelling of the conjunctiva. Corneal injury may occur. Iritis may occur.

Skin: Mild irritation with prolonged contact.

Inhalation (Breathing): Nasal and respiratory irritation.

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: 1; Flammability: 0; Reactivity: 0

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL	CAS #	WEIGHT %	PEL	EC#
Polyethylene Glycol	25322-68-3	20-25%	10 ppm	N/E
Fatty Acid Es	N/E	1-5%	N/E	N/E
Industrial Diamond	7782-40-3	< 5%	N/E	N/E
Colorants	N/E	< 5%	N/E	N/E

N/E = not established

SECTION 4 – FIRST AID MEASURES

EYES: Flush eyes with water for 15 minutes lifting upper and lower lids occasionally. Seek medical attention if irritation or pain persists.

SKIN: Thoroughly wash affected area with soap and water and isolate from exposure. If irritation or rash persists, seek medical attention.

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, induce vomiting and seek medical attention.

SECTION 5 – FIREFIGHTING MEASURES

FLASH POINT: > 200 C.

FLAMMABLE LIMITS IN AIR: Not Known.

AUTOIGNITION TEMPERATURE: Not known.

FIRE FIGHTING PROCEDURES: Extinguish fire.

EXTINGUISHING MEDIA: Foam; dry chemical; carbon dioxide.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES: Take up liquid on absorbent material and sweep or shovel into closable container for disposal

METHODS FOR CONTAINMENT: Use absorbent material.

SECTION 7 – HANDLING AND STORAGE

HANDLING: If use conditions generate vapors, use in well-ventilated area and avoid breathing fumes/mist.

STORAGE: Keep from freezing.

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

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

<u>MATERIAL</u>	<u>CAS #</u>	<u>WEIGHT %</u>	<u>PEL</u>	<u>Hazardous Ingredient (YES/NO)</u>
Polyethylene Glycol	25322-68-3	20-25%	10 ppm	No
Fatty Acid Es	N/E	1-5%	N/E	No
Industrial Diamond	7782-40-3	< 5%	N/E	No
Colorants	N/E	< 5%	N/E	No

PRECAUTIONS FOR SAFE USE AND HANDLING

HANDLING PRECAUTIONS: Use with proper ventilation. Wash thoroughly after use.

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

CONTROL MEASURES

EYE PROTECTION: Goggles or safety glasses with side shields are recommended.

PROTECTIVE GLOVES: Chemical resistant recommended but 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 process enclosure or local ventilation needed to maintain vapor below applicable exposure limits.

OTHER PROTECTIVE EQUIPMENT: None required.

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE, APPEARANCE, and ODOR: Paste, color varies with grade, no odor.

ODOR THRESHOLD: Not known.

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

VAPOR DENSITY: > 10 (air = 1).

BOILING POINT: 150 C.

VAPOR PRESSURE: < 5mm Hg.

FREEZING POINT: NA

EVAPORATION RATE: Not known.

FLASH POINT: > 200 C

SOLUBILITY IN WATER: Not soluble.

MOLECULAR WEIGHT: Not known.

VOLATILE ORGANIC COMPOUNDS: Low volatility.

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: Moderately biodegradable.
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

UN Number: Not Controlled

SECTION 15 -- REGULATORY INFORMATION

TSCA Inventory Status: All components listed or exempt

ECHA REACH Candidate List: Not listed

EINECS Number: N/E

EC Number: N/E

WHMIS Classification: D2B

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: December 8, 2012

SDS revision date: November 26, 2019

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, BORIDE Engineered Abrasives assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the material as supplied to the user.