Dear Customer:

Enclosed in the REVISED Material Safety Data Sheet for our product:

**D-M-E Mounted Points**

The products we distribute are not normally hazardous in their natural state. However, steel does contain elements deemed by OSHA to be hazardous when released by manufacturing, such as brazing, burning, grinding, sawing or welding, etc. Failure to control dust and fumes can result in chronic health problems.

We believe the information, supplied by the Manufacturer, on the enclosed MSDS to be accurate; however, D-M-E makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability for the information so presented.

Should you require additional information, please call or write the Manufacturer listed on the MSDS.

Sincerely yours,

D-M-E Company
Director of Operations
Ken Jasina

Revised: June, 2010
SECTION 1 -- PRODUCT IDENTIFICATION

IDENTITY (Trade Name): Vitrified Aluminum Oxide abrasive

SYNONYMS: Mounted point.

FAMILY/ CHEMICAL NAME: Oxide, Glass

PRODUCT USE: Mold and die polishing, grinding. Vitrified aluminum oxide abrasives break down during use. The resulting dust is classified by OSHA as inert or nuisance dust. Data provided pertains primarily to the dust produced during and after use. IMPORTANT: Hazards may change when this product is used in conjunction with solvents, cutting fluids or other chemicals. For more complete information, consult the material safety data sheets of chemical products used with vitrified aluminum oxide abrasives.

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

B.E.A. DOCUMENT NO: 4496

ORIGINAL ISSUE DATE: January 1991

TELEPHONE NUMBER: 1(231) 929-2121

24-HOUR EMERGENCY NUMBER: 1(231) 922-1959

REVISION DATE: June 11, 2010

SECTION 2 -- INGREDIENTS

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>CAS #</th>
<th>WEIGHT %</th>
<th>TLV</th>
<th>Hazardous Ingredient (YES/NO)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum Oxide</td>
<td>1344-28-1</td>
<td>72%</td>
<td>10 mg/m³</td>
<td>no</td>
</tr>
<tr>
<td>Clay</td>
<td>1332-58-7</td>
<td>22%</td>
<td>10 mg/m³</td>
<td>no</td>
</tr>
<tr>
<td>Feldspar</td>
<td>68476-25-5</td>
<td>3</td>
<td>10 mg/m³</td>
<td>no</td>
</tr>
<tr>
<td>Borax</td>
<td>1303-96-4</td>
<td>3</td>
<td>10 mg/m³</td>
<td>no</td>
</tr>
</tbody>
</table>

End use of vitrified aluminum oxide abrasives (grinding, polishing, etc.) may produce dust which is classified as inert or nuisance dust. OSHA sets TLV (threshold limit value) for nuisance dust at 10 mg/m³ for continuous exposure.

SECTION 3 -- PHYSICAL DATA

PHYSICAL STATE, APPEARANCE, and ODOR: Solid; red, pink, brown, orange, blue, gray or white. No odor.

ODOR THRESHOLD: Not applicable.

VAPOR DENSITY: Not applicable.

VAPOR PRESSURE: Not applicable.

EVAPORATION RATE: Not applicable.

SOLUBILITY IN WATER: Not applicable.

VOLATILE ORGANIC COMPOUNDS: No.

DENSITY: Varies; 1.60 to 2.40

BOILING POINT: Not applicable.

FREEZING POINT: Not applicable.

pH: Not applicable.

MOLECULAR WEIGHT: Not applicable.

Melting Point: Approximately 2,050° C.
SECTION 4 -- HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE:
During or after use, the dust resulting from breakdown of vitrified aluminum oxide may be inhaled or come in contact with skin or eyes.

EXPOSURE LIMITS:
Particulate not otherwise classified, use TLV of 10mg/m³ for vitrified aluminum oxide products.

SIGNS AND SYMPTOMS OF EXPOSURE
Dust can cause irritation, redness and eye watering.

ACUTE:
No skin absorption hazard for vitrified aluminum oxide products. May cause rash from mechanical irritation.

Eyes:
Nuisance dust may cause coughing of sneezing.

Skin:
Abrasive particles may cause irritation.

Inhalation (Breathing):
Not applicable.

Ingestion (Swallowing):
Nuisance dust may aggravate pre-existing conditions.

CHRONIC:
Not a carcinogen.

MEDICAL CONDITION AGGRAVATED BY EXPOSURE:

CARCINOGENICITY:

EMERGENCY FIRST AID PROCEDURES

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.

OTHER HEALTH RISKS:
Grinding may create sound and vibration levels that could affect hearing and aggravate circulatory problems in the hands. Obtain medical evaluation and use proper protection.

SECTION 5 -- FIRE AND EXPLOSION HAZARD DATA

EMERGENCY RESPONSE GUIDE NUMBER:
Not Applicable.

FLASH POINT:
Not applicable for untreated aluminum oxide abrasives.

FLAMMABLE LIMITS IN AIR:
Not Known.

AUTOIGNITION TEMPERATURE:
Not applicable for untreated aluminum oxide abrasives.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
None for untreated aluminum oxide abrasives.

FIRE FIGHTING PROCEDURES:
Not applicable for untreated aluminum oxide abrasives.

EXTINGUISHING MEDIA:
Not applicable for untreated aluminum oxide abrasives.

HAZARDOUS COMBUSTION PRODUCTS:
Not applicable for untreated aluminum oxide abrasives.

CONDITIONS OF FLAMMABILITY:
Not Flammable.
SECTION 6 -- REACTIVITY DATA

STABILITY: Stable, not reactive with water for vitrified bonded aluminum oxide abrasives.

INCOMPATIBILITY (Material & Conditions to avoid): None for untreated aluminum oxide abrasives.

HAZARDOUS POLYMERIZATION: Will not occur for untreated aluminum oxide abrasives.

HAZARDOUS DECOMPOSITION PRODUCTS: None for untreated aluminum oxide abrasives.

SECTION 7 -- PREVENTIVE MEASURES

PRECAUTIONS FOR SAFE USE AND HANDLING

HANDLING PRECAUTION: If usage conditions generate airborne dust, use in well-ventilated area and avoid breathing dust. Dust should be removed by washing or vacuuming. See ANSI Standard B7.1 safety requirements for the use of abrasive grinding wheels.

PERSONAL HYGIENE: Use good personal hygiene. Wash hands before eating or smoking. Do not shake clothing, rags or other items to remove dust.

SHIPPING & STORING PRECAUTIONS: None for untreated aluminum oxide abrasives.

SPILL PROCEDURES: Sweep or shovel vitrified aluminum oxide into closable container for disposal. Use a vacuum, or wet clean-up for dust.

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

CONTROL MEASURES

EYE PROTECTION: Goggles or safety glasses with side shields are recommended when vitrified aluminum oxide products are used in polishing, grinding or cutting operations.

PROTECTIVE GLOVES: Recommended but not required for vitrified aluminum oxide products.


ENGINEERING CONTROLS: Provide process enclosure or local ventilation needed to maintain dust below applicable exposure limits.

OTHER PROTECTIVE EQUIPMENT: Hearing protection may be required. See OSHA 29CFR 1910.95 for noise level statutory limits and hearing protection requirements.
SECTION 8 -- OTHER REGULATORY INFORMATION

TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: None for untreated aluminum oxide.

DOT HAZARD CLASS: None for untreated aluminum oxide.

DOT ID NUMBER: None for untreated aluminum oxide.

SARA TITLE III:

SECTION 302 EXTREMELY HAZARDOUS SUBSTANCE LIST:

SECTION 313 TOXIC CHEMICALS LIST:

FEDERAL RCRA HAZARDOUS WASTE:

REPORTABLE QUANTITY (RQ), UNDER U.S. EPA CERCLA:

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.

Untreated aluminum oxide abrasives: Not listed

Untreated aluminum oxide abrasives: Not listed

Untreated aluminum oxide abrasives: Not listed

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.