

MATERIAL SAFETY DATA SHEET

| SECTION 1: NAME OF PRODUCT | | | | | | |
|---|--|-----------------------------------|--|---|----------------------------|---------------|
| PRODUCT NAME: <i>Zirconia Alumina Abrasive Discs/Belts</i> | | | ALLIED ITEM NUMBER(S): <i>50-10045-Z - 50-10435-Z</i> | | | |
| CHEMICAL NAME or PRODUCT TYPE: <i>Zirconia Alumina & Resin Binder on paper/cloth</i> | | | | | | |
| SECTION 2: COMPOSITION | | | | | | |
| Chemical Name | Common Name | REG (Y/N) | CAS# | OSHA PERMISSIVE EXPOSURE LIMIT | ACGIH TLV | CARCIN. (Y/N) |
| <i>Zirconia Alumina</i> | | <i>Y</i> | <i>7440-67-7</i> | <i>15mg/M³</i> | <i>10 mg/M³</i> | <i>N</i> |
| <i>Cryolite</i> | | <i>Y</i> | <i>15096-52-3</i> | <i>N/A</i> | <i>N/A</i> | <i>N</i> |
| <i>Potassium Fluoroborate</i> | | <i>Y</i> | <i>14075-53-7</i> | <i>N/A</i> | <i>N/A</i> | <i>N</i> |
| <i>Cured Phenolic Resin</i> | | <i>Y</i> | <i>60304-36-1</i> | <i>N/A</i> | <i>N/A</i> | <i>N</i> |
| <i>Calcium Oxide</i> | | <i>Y</i> | <i>1305-78-8</i> | <i>2mg/M³</i> | <i>N/A</i> | <i>N</i> |
| <i>Zinc Stearate</i> | | <i>Y</i> | <i>557-05-01</i> | <i>N/A</i> | <i>N/A</i> | <i>N</i> |
| HMIS CODE: | | | | | | |
| HEALTH | | FLAMMABILITY | | REACTIVITY | | |
| 1 | | 0 | | 0 | | |
| Ingredients are listed on the TSCA Inventory of Chemical Substances. Those not identified are non-hazardous. | | | | | | |
| SECTION 3: PHYSICAL & CHEMICAL DATA | | | | | | |
| BOILING POINT: <i>N/A</i> | | MELTING POINT: <i>N/A</i> | | SPECIFIC GRAVITY: <i>N/A</i> | | |
| VAPOR PRESSURE: <i>N/A</i> | | % VOLATILE by VOL/WGT: <i>N/A</i> | | VAPOR DENSITY: <i>N/A</i> | | |
| EVAPORATION RATE: <i>N/A</i> | | SOLUBILITY in WATER: <i>N/A</i> | | SOLUBILITY in ALCOHOL: <i>N/A</i> | | |
| SOLUBILITY in OTHER SOLVENT: <i>N/A</i> | | | APPEARANCE and ODOR: <i>Paper, cloth or fiber coated w/abrasive material</i> | | | |
| SECTION 4: FIRE & EXPLOSION HAZARD DATA | | | | | | |
| FLASH POINT: <i>N/A</i> | | METHOD USED: <i>N/A</i> | | FLAMMABLE LIMITS: LEL: <i>N/A</i> UEL: <i>N/A</i> | | |
| EXTINGUISHING MEDIA: <i>Any proper fire-fighting material can be used</i> | | | | | | |
| SPECIAL FIRE FIGHTING PROCEDURES: <i>Use respiratory protection - backings and resin binders will burn and/or decompose</i> | | | | | | |
| EXPLOSION POTENTIAL: <i>N/A</i> | | | | | | |
| SECTION 5: HEALTH, FIRST AID, & MEDICAL DATA | | | | | | |
| ROUTE(S) of ENTRY | ACUTE and CHRONIC HEALTH EFFECTS | | | FIRST AID and MEDICAL INFORMATION | | |
| INHALATION: | <i>Acute - may cause coughing, shortness of breath. Chronic - may affect breathing capacity.</i> | | | <i>Remove to fresh air. Give artificial respiration as needed. Obtain medical assistance if needed.</i> | | |
| INGESTION: | <i>No known adverse effects but ingestion is not recommended.</i> | | | <i>Obtain medical assistance if needed.</i> | | |
| SKIN CONTACT/ABSORPTION: | <i>Not absorbed through skin; may cause abrasions.</i> | | | <i>Obtain medical assistance if needed.</i> | | |
| EYE: | <i>Dust may irritate eyes.</i> | | | <i>Wash with large amounts of water. Obtain medical assistance if needed.</i> | | |
| OTHER POTENTIAL HEALTH RISK: | <i>During use on some materials, elevated sound levels may be created which affect hearing</i> | | | | | |
| LEGEND: | <i>NAIF = No Applicable Information Found N/A = Not Applicable</i> | | | OFFICE CODE: <i>MSDS.P65: 120 & 121</i> | | |

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SECTION 6: CORROSIVITY & REACTIVITY DATA

STABILITY: UNSTABLE STABLE **POLYMERIZATION:** MAY OCCUR WILL NOT OCCUR

INCOMPATIBILITY (MATERIALS to AVOID):
N/A

DECOMPOSITION PRODUCTS:
In use, dust and decomposing resin fumes are generated; in most cases, the material removed from the work piece will be significantly greater than the coated abrasive product components.

CONDITIONS to be AVOIDED:
None

SECTION 7: STORAGE, HANDLING, & USAGE PROCEDURES

NORMAL STORAGE and HANDLING:
*Handle with adequate ventilation.
OSHA 29 CFR 1910.94 (Ventilation) and OSHA 29 CFR 1910.1000 (Air Contaminates).*

NORMAL USE:
*Handle with adequate ventilation.
OSHA 29 CFR 1910.94 (Ventilation) and OSHA 29 CFR 1910.1000 (Air Contaminates).*

STEPS to be TAKEN in case of LEAKS or SPILLS:
Normal Clean-up procedures. Vacuum dust.

WASTE DISPOSAL METHOD:
Standard landfill methods consistent with all Local, State and Federal regulations.

SECTION 8: PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): *As needed, approved dust respirator (OSHA 29 CFR 1910.134)*

VENTILATION { **LOCAL:** *Recommended*
MECHANICAL (GENERAL): *Recommended*
OTHER: *NAIF*

PROTECTIVE GLOVES: *Leather gloves as desired by user.*

EYE PROTECTION: *Recommended OSHA 29 CFR 1910.133*

OTHER EQUIPMENT: *Hearing protection OSHA 29 CFR 1910.215*

SECTION 9: SPECIAL PRECAUTIONS; EMERGENCY OVERVIEW; NOTES

Slight formaldehyde or phenolic resin odor may be released on occasion during storage.

DISCLAIMER: The above information and recommendations are believed accurate and reliable. Because it is not possible to anticipate all conditions of use, additional safety precautions may be required. ALLIED HIGH TECH PRODUCTS, INC. makes no warranty, either express or implied, as to its accuracy or completeness and none is made as to the fitness of this material for any purpose. The manufacturer/distributor shall not be liable for damages to person or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.