



MATERIAL SAFETY DATASHEET

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| SECTION I - CHEMICAL PRODUCT AND COMPANY INFORMATION | | | | | |
|--|-------------------------------------|------------------------------------|---------------------------------------|---|-----|
| MANUFACTURER'S NAME C. & E. FEIN GmbH | | | | ISSUED DATE 05/18/2004 | |
| ADDRESS (Zip Code) D-73529 Schwäbisch Gmünd-Bargau, Hans-Fein-Straße 81, GERMANY | | | | EMERGENCY TELEPHONE NO. ++49(0)7173/183-0 or -534 | |
| PRODUCT NAME Alumina Zirconia Coated Abrasives | | | | | |
| TRADE NAME 6 99 03 see list appendix A | | | | | |
| Important notice Coated abrasives are inert products which do not create any risk when handled or stored. When used on grinding machines they require specific measures to protect the operators. During the grinding operation 90% or more of the particulates of the dust come from the material being ground and, for wet grinding, from aerosols generated by grinding fluid. Specific attention must therefore be given to the nature of the part and of the fluid and the appropriate protection devices must be installed. | | | | | |
| SECTION II - COMPOSITION / INFORMATION ON INGREDIENTS | | | | | |
| COMPONENT | MATERIAL | | Percent(%) | CAS.NO | |
| Backing | <input type="checkbox"/> | Paper | | | |
| | <input type="checkbox"/> | Cotton cloth | | | |
| | <input type="checkbox"/> | Cloth containing polyester | | | |
| | <input checked="" type="checkbox"/> | Polyester | 20 ~ 60 | n/a | |
| | <input type="checkbox"/> | Combination(Paper/Cloth) | | | |
| | <input type="checkbox"/> | Combination(Paper/Polyester film) | | | |
| | <input type="checkbox"/> | Others: | | | |
| Abrasive grain | <input checked="" type="checkbox"/> | Aluminium Oxide | 5 ~ 15 | 1344-28-1 | |
| | <input type="checkbox"/> | Silicon Carbide | | | |
| | <input checked="" type="checkbox"/> | Alumina Zirconia | 10 ~ 30 | 68955-26-0 | |
| | <input type="checkbox"/> | Others : | | | |
| Bonding resin | <input checked="" type="checkbox"/> | Cured Phenolic Resin | 5 ~ 20 | 9003-35-4 | |
| | <input type="checkbox"/> | Epoxy Resin | | | |
| | <input type="checkbox"/> | Cured Urea/Melamine resin | | | |
| | <input type="checkbox"/> | Glue | | | |
| | <input type="checkbox"/> | Others: | | | |
| Filler | <input checked="" type="checkbox"/> | Calcium Carbonate | 1 ~ 10 | 16389-88-1 | |
| | <input checked="" type="checkbox"/> | Cryolite | 1 ~ 15 | 15096-52-3 | |
| | <input type="checkbox"/> | Metal Soap | | | |
| | <input checked="" type="checkbox"/> | Others : Other Inorganic fluorides | 1 ~ 15 | | |
| SECTION III - PHYSICAL DATA | | | | | |
| BOILING POINT (°C) | n / a | | SPECIFIC GRAVITY (H ₂ O=1) | n / a | |
| VAPOR PRESSURE (mm Hg.) | n / a | | PERCENT,VOLATILE BY VOLUME (%) | n / a | |
| VAPOR DENSITY (AIR=1) | n / a | | EVAPORATION RATE (Butyl Acetate =1) | n / a | |
| SOLUBILITY IN WATER | n / a | | APPERANCE AND ODOR | n / a | |
| SECTION IV - FIRE AND EXPLOSION HAZARD DATA | | | | | |
| FLASH POINT (METHOD USED) | n / a | FLAMMABLE LIMITS | n / a | LEL | UEL |
| | | | | n/a | n/a |
| EXTINGUISHING MEDIA Water , CO₂ , Foam , Dry Chemical | | | | | |
| SPECIAL FIRE FIGHTING PROCEDURES None | | | | | |
| UNUSUAL FIRE AND EXPLOSION HAZARDS None | | | | | |



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| SECTION V - HEALTH HAZARD DATA | | | |
|--|---|-------------------------|-------|
| THRESHOLD LIMIT VALUE | n / a | EFFECTS OF OVEREXPOSURE | n / a |
| EMERGENCY AND FIRST AID PROCEDURES Skin Contact : Wash with soap and water Eye Contact : Flush eyes with large quantities of water obtain first aid and medical assistance, if need. Inhalation : Remove to Fresh Air. If breathing has stopped, give artificial respiration. Get medical attention immediately. | | | |
| SECTION VI - REACTIVITY DATA | | | |
| STABILITY | <input type="checkbox"/> Unstable <input checked="" type="checkbox"/> Stable | CONDITION TO AVOID | None |
| INCOMPATIBILITY (MATERIALS TO AVOID) | Strong acids, Strong bases & Strong oxidizing agents may modify the mechanical characteristics of the products and create safety hazards when used on machines. | | |
| HAZARDOUS DECOMPOSITION PRODUCT | In use, dust and decomposing odors may be generated. In most cases, the material removed from the workplace will be significantly greater than the coated abrasives components. | | |
| HAZARDOUS POLYMERIZATION | <input type="checkbox"/> MAY OCCUR <input checked="" type="checkbox"/> WILL NOT OCCUR | CONDITION TO AVOID | None |
| SECTION VII - SPILL OR LEAK PROCEDURES | | | |
| STEP TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED No special procedures. | | | |
| WASTE DISPOSAL METHOD After use, Coated abrasives may be contaminated with hazardous materials (particle or cooling agents) and should be disposed of in accordance with national regulations. | | | |
| SECTION VIII - SPECIAL PROTECTION INFORMATION | | | |
| RESPIRATORY PROTECTION (SPECIFY TYPE) Respirators are required when airborne contaminant levels exceed the TLV(S). | | | |
| VENTILATION | LOCAL EXHAUST Utilize local exhaust to keep airborne concentration below limits | SPECIAL n / a | |
| | MECHANICAL (GENERAL) Appropriate hoods and dust collection recommended | OTHER n / a | |
| PROTECTIVE GLOVES Recommended when grinding to prevent skin abrasion | EYE PROTECTION Always wear safety glasses or some type of eye protection while sanding. | | |
| OTHER PROTECTIVE EQUIPMENT Use of this product may create elevated sound levels. Hearing protection should be worn where required. | | | |
| SECTION IX - SPECIAL PRECAUTIONS | | | |
| PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING Store coated abrasives in moderate constant temperature and humidity conditions. | | | |
| OTHER PRECAUTIONS None | | | |



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Appendix A Fein Part-List

Coated Abrasives

| Name | Bestellnummer /Order-No. | Bezeichnung | Werkstoff - | Farbe |
|-------------------------------|-----------------------------|-------------|----------------|-------|
| GRINDING BELT 75X2000 G24R | 6 99 03 000 00 0 | | | |
| GRINDING BELT 75X2000 G36R | 6 99 03 002 00 0 | | | |
| GRINDING BELT 75X2000 G40R | 6 99 03 004 00 0 | | | |
| GRINDING BELT 75X2000 G60R | 6 99 03 007 00 0 | | | |
| GRINDING BELT 75X2000 G80R | 6 99 03 009 00 0 | | | |
| GRINDING BELT 75X2000 G120R | 6 99 03 013 00 0 | | | |
| GRINDING BELT 75X2250 G36R | 6 99 03 020 00 0 | | | |
| GRINDING BELT 75X2250 G 60 R | 6 99 03 023 00 0 | | | |
| GRINDING BELT 75X3000 G60R | 6 99 03 025 00 0 | | | |
| GRINDING BELT 75X3000 G80R | 6 99 03 027 00 0 | | | |
| GRINDING BELT 75X3000 G120R | 6 99 03 029 00 0 | | | |
| GRINDING BELT 150X2000G24R | 6 99 03 039 00 0 | | | |
| GRINDING BELT 150X2000G36R | 6 99 03 040 00 0 | | | |
| GRINDING BELT 150X2000G40R | 6 99 03 042 00 0 | | | |
| GRINDING BELT 150X2000G60R | 6 99 03 044 00 0 | | | |
| GRINDING BELT150X2250G36R | 6 99 03 053 00 0 | | | |
| GRINDING BELT 50X1600 G36 R | 6 99 03 065 00 0 | | | |
| GRINDING BELT 50X1600 G60 R | 6 99 03 068 00 0 | | | |
| GRINDING BELT 50X1600 G80 R | 6 99 03 070 00 0 | | | |
| GRINDING BELT 50X1600 G120 R | 6 99 03 072 00 0 | | | |
| GRINDING BELT 50X2000 G24 R | 6 99 03 077 00 0 | | | |
| GRINDING BELT 50X2000 G36 R | 6 99 03 078 00 0 | | | |
| GRINDING BELT 50X2000 G40 R | 6 99 03 080 00 0 | | | |
| GRINDING BELT 50X2000 G60 R | 6 99 03 082 00 0 | | | |
| GRINDING BELT 50X2000 G80 R | 6 99 03 084 00 0 | | | |
| GRINDING BELT 50X2000 G120 R | 6 99 03 086 00 0 | | | |
| GRINDING BELT 75X3000 G36 R | 6 99 03 096 00 0 | | | |
| GRINDING BELT 100X1000 G36 R | 6 99 03 097 00 0 | | | |
| GRINDING BELT 100X1000 G60 R | 6 99 03 098 00 0 | | | |
| GRINDING BELT 100X1000 G80 R | 6 99 03 099 00 0 | | | |
| GRINDING BELT 100X1000 G120 R | 6 99 03 100 00 0 | | | |
| GRINDING BELT 100X2000 G36 R | 6 99 03 101 00 0 | | | |
| GRINDING BELT 150X2000 G50 R | 6 99 03 103 00 0 | | | |
| GRINDING BELT 150X2400 G36 R | 6 99 03 111 00 0 | | | |
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