

Format by FEPA as per EEC Directive 91/55/CEE and ISO standard 11014

COMPANY: Oy Pureva Ab
TRADE NAME: PUREVA, PUREVA PERFECT
ADDRESS: PARKKITIE 14
SF-23360 KUSTAVI, FINLAND

AUTHORIZED PERSON:

POSITION:

PHONE NR.: +358-2-842 5000

SIGNATURE:

IMPORTANT NOTICE:

Bonded abrasives are inert products which do not create any risk when handled or stored. When used on grinding machine they require specific actions to protect the operators. During a grinding operation 80% or more of the particulars of the dust come from the material being ground and for wet grinding, from aerosols generated by the grinding fluid. Specific attention must therefore be given to the nature of the part and of the fluid and the appropriate protection devices (exhaust...) must be installed.

1. PRODUCT IDENTIFICATION

404513

180x2.0x22

Product designation EA 36 N6 BF

2. COMPOSITION/INFORMATION ON INGREDIENTS

2.1. ABRASIVE Synthetic Aluminium Oxide
 Synthetic Silicon Carbide
 Zirkonium oxide + Aluminium Oxide
 Others

2.2. Bond VITRIFIED
 ORGANIC:
 Polymeric synthetic resin
 Rubber
 Other organic
 Others:

2.3. Bond fillers Halogen compounds
 Carbonates
 Oxides
 Sulfur compounds
 Others:

2.4. Reinforcement Glass cloths
 Others:

2.5. Others

FEPA (Fédération Européenne des Fabricants de produits Abrasifs)

3. HAZARDS IDENTIFICATION

3.1. Recommendations for marking:

NOT APPLICABLE: The bonded abrasives are not dangerous products.

3.2. Other rules: NONE

4. FIRST AID MEASURES

NOT APPLICABLE WHEN BONDED ABRASIVES NOT IN USE ON MACHINES

Following recommendations are basic rules during a grinding operation. They must be completed by the information appearing in the safety data sheets of the material ground and of the grinding fluid when used.

- Dust inhalation: Remove from exposure
- Eye: remove from exposure
- Skin: Remove from exposure. Remove contaminated clothing. Wash and thoroughly rinse affected area. Seek medical advice if symptoms persist.

5. FIREFIGHTING MEASURES

NONE Specific.

6. ACCIDENT RELEASE MEASURES

NOT APPLICABLE

7. HANDLING AND STORAGE

Following recommendations are aimed at preserving the bonded abrasives from damages, which may create at risk of rupture when used on grinding machine.

- Fragile products: handle and store with precautions.
- Store at moderate temperature and humidity (20°C and 50/65% hum.)
- For detailed recommendations refer to FEPA SAFETY CODE

8. EXPOSURE CONTROL/PERSONAL PROTECTION

NOT APPLICABLE WHEN BONDED ABRASIVES ARE HANDLED OR STORED

When using to abrasive products refer to grinding machines instructions and to the rules about prevention of professional accidents.

For a safe use of bonded abrasive refer to FEPA SAFETY CODE.

8.1. Personal protective equipment:

For information when using bonded abrasives on a machine:

- Eye protection : Machine guarding and safety goggles or face shield
- Dust protection : Use of dust mask
- Hand protection : Use of barrier creme ore protective cloves
- Ear protection : Use of ear muffs or equivalent
- Skin Protection : Wear suitable protective clothing

according to the application and their part being ground

For additional information refer to regulations and FEPA SAFETY CODE

8.2. Hygiene measures:

No specific regulations

8.3. Protection against fire and explosion:

No specific regulations

9. PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|-------------------------------|---|
| 9.1. Physical state | : Solid |
| 9.2. Colour | : Variable |
| 9.3. pH | : Not applicable
(May give off no specific odour in use) |
| 9.4. Change of physical state | : Not applicable |
| 9.5. Density | : Depending upon product 0.8-3-5 |
| 9.6. Bulk density | : Not applicable |
| 9.7. Vapour pressure | : Not applicable |
| 9.8. Flash point | : Not applicable |
| 9.9. Explosion properties | : Not applicable |
| 9.10. Viscosity | : Not applicable |
| 9.11. Solubility in water | : Not defined |

10. STABILITY AND REACTIVITY

Bonded abrasives are stable and non reactivity when handled or stored.

10.1. Conditions to avoid:

Excessive heat, humidity or thermal shocks which may mechanically weaken the products and create safety hazards when used on machines,

10.2. Materials to avoid:

Strong acids, strong bases & strong oxidising agents may modify the mechanical characteristic of products and create safety hazards when used on machines.

10.3. Hazardous decomposition products

These products are extremely unlikely to cause problems in normal use.

10.4. Other indications: NONE

11. TOXICOLOGICAL INFORMATION

NOT APPLICABLE WHEN HANDLED OR STORED

According to experience gathered to many years, the bonded abrasives, when properly used have no adverse effect on health, refer to preliminary note about dust and aerosols.

12. ECOLOGICAL INFORMATION

12.1. Mobility:

When the bonded abrasives are used, the grinding debris are easily retained within fixed machines or with appropriate screens for portable grinding operations.

12.2. Persistence and degradability:

Not bio-degradable

12.3. Bioaccumulative potential: Not applicable.

12.4. Ecotoxicity: Not applicable.

13. DISPOSAL CONSIDERATIONS

According to national and local regulations.

14. TRANSPORT

No specific regulations for any type of transportation. Protect from rain and excessive temperature and humidity.

No special precautions necessary other than to insure that no damage to products occur.

15. REGULATORY INFORMATION

EEC regulation : NONE

National or local regulations : refer to relevant texts

16. OTHER INFORMATION

WARNING

The above indications are based on the existing practise and do not constitute a guarantee:

The laws and regulations must be strictly followed by the users who remain responsible for the use of the bonded abrasives.