

ARC-BLU



COATED ABRASIVES SAFETY DATA SHEET

FEPA Document in accordance with EC 91/155 Directive and ISO 11014 rule

Company: THE CARBO GROUP ITALIA Spa
 Date: December 2005
 Address: Via P. Nenni 2 - 26851 Borgo S. Giovanni LODI ITALY
 E-mail: info@bmaspa.com

Responsibles: Mr. MANCA Alessandro, MARTIGANI Alessandro
 Qualification: Quality Assurance, Production Manager
 Phone: +39 (0)371 - 97100 Fax: +39 (0)371 - 227402

NOTE

Coated abrasives are inert products and do not cause any danger when handled and stored. If used with tools or machineries, special precautions must be taken to protect the users. During dry grinding more than 90% of dust particles come off the worked material and, during wet grinding, from vapours generated by the cooling liquid. Pay attention to the nature of the worked materials and the cooling liquid: protection with suction devices is required.

1. PRODUCT IDENTIFICATION

ARC-BLU - Self lubricating, aluminium oxide abrasive paper (A-weight)

2. COMPOSITION/COMPONENTS INFORMATION

- | | | |
|-----|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2.1 | Abrasive | <input checked="" type="checkbox"/> Aluminium oxide
<input type="checkbox"/> Silicon carbide
<input type="checkbox"/> Zirconium oxide + Aluminium oxide
<input type="checkbox"/> Others: _____ |
| 2.2 | Adhesive | <input type="checkbox"/> Glue (animal or vegetable)
<input type="checkbox"/> Cured phenolic resin
<input checked="" type="checkbox"/> Cured urea resin
<input type="checkbox"/> Others: _____ |

ARC-BLU

- 2.3 Adhesives additives Calcium carbonate
 China clay
 Cryolite
 Others:
- 2.4 Backing Paper
 Cotton Cloth
 Paper-cloth Combination
 Vulcanized fiber
 Others:
- 2.5 Others: Calcium stearate

3. RISKS IDENTIFICATION

Not applicable: coated abrasives are not dangerous products according to EC 88/379 Directive.

4. FIRST AID MEASURES

Not applicable when coated abrasives are used with a machine.

The following recommendations are basic rules during grinding operations and have to be carried out with information included in worked material and cooling safety data sheets.

- Dust inhalation: do not expose to the emission source, call a doctor if symptoms persist.
- Eyes: do not expose to emission source, if slags enter the eyes, rinse immediately with clean water.
- Skin: dangerous effects unknown.
- Swallowing: dangerous effects unknown.

5. FIRE-PROOF SAFETY MEASURES

No specifications.

In case of fire the following can be used: water, dust, foam, sand, CO₂ if comparable with environment.

6. SAFETY MEASURES IN CASE OF ACCIDENTAL POLLUTION

Not applicable.

ARC-BLU**7. STORAGE AND HANDLING**

Follow equipment instructions and national rules. Store coated abrasives at a constant, moderate temperature and humidity.

For more detailed instructions, refer to FEPA Security Instructions Document for coated abrasives.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

Not applicable during coated abrasives handling and storing.

During grinding dust particles are released from worked material; dust content per m³ must not exceed 6 mg.

Follow always equipment instructions and national rules when using coated abrasives. Also refer to FEPA Security Instructions Document for coated abrasives.

8.1 Users must use the following protection device according to work applications and material to be worked.

- Eye protection: use machine screen and wear glasses.

- Dust protection: use mask.

- Hand protection: use creams and gloves.

- Hearing protection: use muffs or plugs.

- Skin protection: wear adequate protective clothes.

8.2 Hygiene measures: no specifications.

9. CHEMICAL AND PHYSICAL PROPERTIES

9.1	Physical state:	solid
9.2	Colour:	variable
9.3	Odour:	not applicable
9.4	PH:	not applicable
9.5	Physical state changes:	not applicable
9.6	Density:	product varying
	Volumetric weight:	not applicable
9.7	Vapour pressure:	not applicable
9.8	Melting point:	not applicable
9.9	Explosive limits:	not applicable
9.10	Viscosity:	not applicable
9.11	Solubility in water:	not applicable

ARC-BLU**10. STABILITY AND REACTIVITY**

Coated abrasives are stable and not reactive during handling and storing.

- 10.1 Condition to avoid: not applicable.
- 10.2 Materials to avoid: strong acids and bases, concentrated oxidizer agents can modify product mechanical properties and cause security risks when coated abrasives are set on grinding machines.
- 10.3 Hazardous decomposition products: if coated abrasives are used following the instructions they do not develop hazardous substances.
-

11. TOXICITY

Not applicable during handling and storing.

According to an experience of long standing, coated abrasives do not have any toxic effects on health if used properly

However, refer to preliminary advice regarding dust and vapour.

12. ECOLOGICAL EFFECTS

- 12.1 Mobility: not applicable
- 12.2 Persistence and degradability : not applicable
- 12.3 Bio-storage potential: not applicable
- 12.4 Ecological toxicity: not applicable
-

13. RESIDUAL PARTICLES

Coated abrasives slags can be accidentally polluted by fragments of worked material or by cooling liquid residues.

Local and national rules must be followed.

14. TRANSPORT

Coated abrasives are not dangerous.

ARC-BLU

15. RULES AND SPECIFICATIONS

EC Standard: no specific marking is required by EC 88/379 Directive.

Refer to national standard or local rules.

16. FURTHER INFORMATION

Attention !

The data given here is based on current knowledge and are by no mean a warranty.

The purpose of this safety data sheet is to describe the product in terms of safety requirements.

Standards and rules must be strictly followed by workers who are responsible when they use coated abrasives.