

SAFETY DATA SHEET

1907/2006EU



C O M E T,
 umetni brusi in nekovine d.o.o.
 Tovarniška 5, 3214 Zreče, Slovenija
 http://www.comet.si
 E-mail:comet@comet.si

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Version: 03

Page: 1 / 2

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

- 1.1 Name of product/preparation:** Resin bonded grinding and cutting-off wheels with Al oxide and Zirconia
Product identification: F1, F41, F41N, F42, F27, F28, F29, F35; diameter from 50mm till 600mm; ZA, 47A
- 1.2 Intended use:** For cutting and grinding.
- 1.3 Manufacturer:**
 Comet d.o.o., Tovarniška 5, 3214 Zreče, Slovenia, http://www.comet.si
 E-mail:comet@comet.si, Telephone No.:+386 (0)3 7575 000, Fax:+386 (0)3 7575 100
- 1.4 Emergency phone no.:** In case of accident, seek to your personal medical man.

2. HAZARDS IDENTIFICATION

- 2.1 Hazard destination:** By grinding do not inhale dust.
- 2.2 Critical hazards to man and the environment:** See items 8 and 6.

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Chemical Characterization:**

Name	CAS	EINECS	Concentration	Classification	Risk Phrases
Aluminium oxide, regular	1344-28-1	215-691-6	> 60 %		
Iron sulphide	1317-37-9	215-268-6	< 5 %		
Trisodium hexafluoroaluminate	15096-52-3	239-148-8	<1 %	T, N	20/22-48/23/25-51/53
Aluminum potassium fluoride	60304-36-1	262-153-1	<1 %		
Phenol resin (cured)	9002-35-4		< 18 %		
Aluminum oxide, high-temp. fusion-redn. products with zirconium oxide	68955-26-0	273-262-9	< 35 %		

- 3.2 Additional information:** For the wording of the listed risk phrases refer to item 16.

4. FIRST-AID MEASURES

- 4.1 Inhalation:** Dust may cause coughing, shortness of breath. Remove person to fresh air. Apply artificial respiration if needed. Obtain first aid or medical assistance.
- 4.2 Eye contact:** Dust may irritate eyes. Wash with large amounts of water and obtain medical assistance if needed.
- 4.3 Skin contact:** Not special precautions.
- 4.4 Ingestion:** Not special precautions.

5. FIRE - FIGHTING MEASURES

- 5.1 Suitable extinguishing media:** water, powder, foam, sand, CO₂
- 5.2 Unsuitable extinguishing media:** No special precautions.
- 5.3 Special hazards caused by the material, its products of combustion or resulting gases:** Can be release in case of fire: gas, CO, CO₂.
- 5.4 Protective equipment:** Wear full protective suit and breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- 6.1 Personal precautions:** Do not inhale dust. See also item 8.
- 6.2 Environmental precautions:** Do not discard into environment.
- 6.3 Methods for cleaning up / taking up:** Take up mechanically. Dispose according to item 13.

7. HANDLING AND STORAGE

- 7.1 Handling:**
 Special technical measures are not necessary. When is used and handled according to specification, the product does not have any harmful effects, according to our experience and the information provided to us. Handle with adequate ventilation for dust.

- 7.2 Storage:**
 Store in a dry place.

Recommendation: See FEPA regulations -Safety Code-European Safety Regulation for correct using of wheels.

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Page: 2 / 2

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	CAS	EINECS	MAC
Aluminium oxide	1344-28-1	215-691-6	6 mg/m ³
Iron sulphide	1317-37-9		no prescription
Trisodium hexafluoroaluminate	15096-52-3	239-148-8	2,5 mg/m ³
Aluminum potassium fluoride	60304-36-1	262-153-1	no prescription
Phenol resin (cured)	9002-35-4		no data
Aluminum oxide, high-temp. fusion-redn. products with zirconium oxide	68955-26-0	273-262-9	no data

8.1 Hand and skin protection: Protective work clothing and protective gloves.

8.2 Eye protection: Safety glasses.

8.3 Respiratory protection: Dust mask.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Solid
Form: Different
Colour: Different
Odour: Not characteristic
Density: 2,0 – 2,5 g/cm³
Solubility in water: No

10. STABILITY AND REACTIVITY

10.1 Stability: Stable if handled and stored according to specifications. See also item 7.

10.2 Conditions to be avoided: See item 7. Protect from atmospheric moisture of water.

10.3 Dangerous reactions: See item 7.

10.4 Hazardous decomposition products: None with proper handling and storage.

11. TOXICOLOGICAL INFORMATION

When are used and handled according to specifications, the products do not have any harmful effects according to our experience and the information provided to us. See also item 8.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicological effect: Unknown.

12.2 Mobility: Unknown.

12.3 Decomposition: Unknown.

12.4 Accumulation: Unknown.

12.5 Other disadvantageous effect on the environment: Unknown.

13. DISPOSAL CONSIDERATION

Waste disposal should be in accordance with existing Community, National and local regulations.

Remark: Worn-out abrasive tools include also particles of the filled material; therefore, referring to information provided in the material safety data sheet is necessary.

14. TRANSPORT INFORMATION

The material is not dangerous according to international transport regulations.

15. REGULATORY INFORMATION

The product does not require a hazard warning label in accordance with EC Directive 67/548/EEC (substances) and 1999/45/EC (preparations).

16. OTHER INFORMATION

The product does not contain Lead, Mercury, Cadmium, Hexavalent Chromium, Polybrominated biphenyls, Polybrominated diphenyl ethers, according to RoHS directive 2002/95/EC.

Relevant R-Phrases (item 2):

R20/22 Harmful by inhalation and if swallowed.

R48/23/25 Toxic; danger of serious damage to health by prolonged exposure through inhalation and if swallowed.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

This data is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not legally valid relationship.

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