



FEDERATION EUROPEENNE DES  
FABRICANTS DE PRODUITS ABRASIFS



ZIMPARA TAŞI SAN. A.Ş.

Product Name  
Flap Disc Products  
EC-Material Safety Data Sheet  
Version/Date: June 2008  
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## MATERIAL SAFETY DATA SHEET FOR FLAP DISC PRODUCTS

- Formatted by FEPA as per EC Directive 91/155/EG and ISO Standard 11014 – 1 -

### 1. IDENTIFICATION OF PRODUCT AND COMPANY:

Flap Disc Products - KARBOSAN

#### 1.1 Product Name:

Flap Disc

#### 1.2 Application

Flap Disc products for grinding of different kinds of materials.

#### 1.3 Company identification:

Company: Karbosan Zımpara Taşı San. A.Ş.

Address : Halkalı Yolu no : 253 Phone: +90 212 698 90 90

Sefaköy / Istanbul - Fax : +90 212 698 90 96

TURKEY E-mail: [info@karbosan.com.tr](mailto:info@karbosan.com.tr)

[export@karbosan.com.tr](mailto:export@karbosan.com.tr)

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| Material Name       | CAS Nr.   | EG Nr.<br>(ELINCS/EINECS) | Concentration<br>Area | Classification | R-Phrases |
|---------------------|-----------|---------------------------|-----------------------|----------------|-----------|
| Aluminium Oxide     | 1344-28-1 | 215-691-6                 | % 0-30                | N/A            | N/A       |
| Zirconium Oxide     | 1314-23-4 | 215-227-2                 | % 0-30                | N/A            | N/A       |
| Epoxy Resin (cured) | N/A       | N/A                       | % 2,5-12,5            | N/A            | N/A       |

### 3. HAZARDS IDENTIFICATION

Not applicable

Abrasives are not dangerous substances or preparations as defined in EC directive N° 99/45.

See also section 8 and 16.

### 4. FIRST AID MEASURES

See also section 8 and 16.

Inhalation : not possible, due to the form of the product.  
Eye contact : Not possible, due to the form of the product.  
Skin contact : No harmful effects known.  
Ingestion : Not likely, due to the form of the product.  
If necessary contact physician.



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## 5. FIRE FIGHTING MEASURES

When exposed to extremely high temperatures fumes may occur. Firemen must use respiratory protective equipment.

Extinguishing Media: water, foam, sand, powder or CO<sub>2</sub> as appropriate for surrounding materials.

## 6. ACCIDENTAL RELEASE MEASURES

Not applicable.

## 7. HANDLING AND STORAGE

Follow instructions and the relevant national regulations. In addition, observe the safety recommendations of the manufacturer.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Before grinding risk assessment should be performed and individual personal protection measures adopted accordingly.

### 8.1. Exposure Limits

Keep limits of the following components under surveillance.

(Observe the regional official regulations for dust.)

|  | Material Name       | CAS Nr.   | EG Nr.<br>(ELINCS/EINECS) | Concentration Limits<br>(Daily Average Value)       |
|--|---------------------|-----------|---------------------------|---|
|  | Aluminium Oxide     | 1344-28-1 | 215-691-6                 | TLV(ACGIH-USA); TGG (8 hrs.) = 15 mg/m <sup>3</sup> |
|  | Zirconium Oxide     | 1314-23-4 | 215-227-2                 | TLV(ACGIH-USA); TGG (8 hrs.) = 5 mg/m <sup>3</sup>  |
|  | Epoxy Resin (cured) | N/A       | N/A                       | None Established                                    |
|  |                     |           |                           |   |

Note: Hazardous dust of workpiece material may be generated during grinding and/or sanding operations.

### 8.2. Exposure control and limitations

#### 8.2.1. Exposure control and limitations of the work environment

Observe the regional official regulations for dust.

##### 8.2.1.1. Respiratory protection: Use respiratory equipment.

(Type depends on specific application and material being ground.)

##### 8.2.1.2. Hand protection: Wear protective gloves.

(Type depends on specific application and material being ground.)

##### 8.2.1.3. Eye protection: Wear protective goggles or face shield.

(Type depends on specific application and material being ground.)

##### 8.2.1.4. Hearing protection: Use ear protection.

(Type depends on specific application and material being ground.)

##### 8.2.1.5. Body protection: Use protective clothing.

(Type depends on specific application and material being ground.)



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## 9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Physical state: Solid  
9.2 Colour: Variable  
9.3 Solubility in water: Not applicable

## 10. STABILITY AND REACTIVITY

### Stability

Flap Discs are stable when handled or stored.

### Reactivity

- 10.1 Conditions to avoid:  
No decomposition in normal use.
- 10.2 Materials to avoid:  
No dangerous reactions known.
- 10.3 Hazardous decomposition products:  
When used in accordance with instructions no hazardous decomposition products are created.  
Thermal decomposition may produce trace amount of phenol and formaldehyde.

## 11. TOXICOLOGICAL INFORMATION

No toxicological effects if inhaled or swallowed or with eye or skin contact are known.  
See also section 8.

## 12. ECOLOGICAL INFORMATION

- 12.1 Ecotoxicity: no effects known  
12.2 Mobility: no potentials known  
12.3 Persistence and degradability: no biodegradable potentials known  
12.4 Bioaccumulative potential: no potentials known  
12.5 Other hazardous effects: no effects known

## 13. DISPOSAL CONSIDERATIONS

13.1. Product  
Disposal according to local authority regulations.  
For more information please see European Waste Catalogue (EWC).

13.2. Packing  
Follow national and regional regulations!

## 14. TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods.



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#### 15. REGULATORY INFORMATION

No specific marking requirements under respective EC directives.

#### 16. OTHER INFORMATION

The above information is based on our current standard of knowledge and does not constitute any warranty of conditions of the product. The information does not form part of any contractual agreement. It remains the user's responsibility to adhere existing laws and regulations.

Issued by : Quality Assurance Department

Contact : Canan Gnsever