

# MATERIAL TECHNICAL DATA SHEET

Date of Issue : 07.03.2018  
Revised on : 12.12.2019

## Type 27 UNITIZED DISC FOR METAL INDUSTRY

### 1. PRODUCT AND COMPANY IDENTIFICATION

1.1. Product : EXL Deburring & Polishing Disc from Non Woven Synthetic Fibers

1.2. Trade name : Unitized Deburring Disc

1.3. Manufacturer : Surface Group Aşındırıcı ve Makine Sanayi Ltd. Şti.  
Maltepe Mah., Davutpaşa Çiftehavuzlar Sok., No: 3 / 35  
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Tel. : +90 212 483 20 11  
Tel. : +90 212 483 20 12  
E-mail : sales@surfacegroup.com.tr

1.4. Reference : Management

1.5. Emergency telephone number : Tel. : +90 212 483 20 12 // E-mail : sales@surfacegroup.com.tr

### 2. HAZARDOUS IDENTIFICATION

2.1. Categorization of the substances / product :

Manufacture : Wheels from synthetic fibers

GHS / CLP / EC Rating

Not rated

2.2. Hazard - labels :

Hazard symbols : none

Wear a suitable dust mask

Wear suitable eye protection

Wear suitable gloves

Wear suitable hearing protection



\*\*\* When using our products mechanically, please follow the technical instructions of the machine manufacturer!

2.3. Further hazards :

Under consideration of the usual precautionary measures, the general accident prevent regualtions and correct handling of the safety equipment, there are no particular hazards known.

### 3. INGREDIENTS

3.1. Chemical characterization of the edging material :

Synthetic non woven fibers with natural / synthetic resin

Ingredients :

Ingredient	CAS - No.	Content (%)
aluminum oxide (Al <sub>2</sub> O <sub>3</sub> )	1344-28-1	██████████
silicon carbide (SiC)	409-21-2	██████████
cured resin	mixture	██████████
natural resin	mixture	██████████
nylon fiber	25038-54-4	██████████
additive	13463-67-7	██████████
silica gel (Si/O <sub>2</sub> )	7631-86-9	██████████
calcium carbonate (CaCO <sub>3</sub> )	471-34-1	██████████

3.2. Hazardous Ingredients :

NONE

### 4. FIRST AID MEASURES

4.1. General Notes :

See FEPA Federation of European Producers of Abrasives

4.2. Inhalation :

Not possible because of products structure

4.3. Skin Contact :

Product is generally not skin irritating, if signs / symptoms develop  
get medical attention

### 5. FIRE FIGHTING MEASURES

5.1. Eligible extinguishing media :

Water, sand, foam, etc.

4.2. Special hazards due to the substances or its combustion products :

None known

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### 6. ACCIDENTAL RELEASE MEASURES

6.1. Individual-related safety measures :	<i>Eye protection</i> : protective goggles <i>Hand guard</i> : safety gloves, only for long and intensive skin contact <i>Breathing protection</i> : vacuum the polishing abrasion automatically use dust mask <i>Hearing protection</i> : safety ear muffs
6.2. Environmental safety measures :	No negative ecological effects known
6.3. Cleaning measures :	Grab mechanically
6.4. Additional information :	No dangerous substances are being discharged

### 7. HANDLING AND STORAGE

7.1. Additional information :	Information for secure handling : see 4.1.
7.2. Additional information :	<i>Requirements for storage areas and containers</i> : only use containers which are specifically suited for the product store in areas with sufficing ventilation

### 8. EXPOSURE CONTROL AND PERSONAL PROTECTION

8.1. Additional information for the arrangements of technical construction :	<i>Note</i> : pay attention to the general regulations for accidental prevention, especially the maximal peripheral surface speed and number of revolutions
8.2. Individual safety equipments :	see 6.1.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1.1. Form :	solid
9.1.2. Colour :	dark grey
9.1.3. Odour :	scentless
9.1.4. Combustibility :	very unlikely, if product is used properly
9.1.5. Melting point :	not available
9.1.6. Self ignition :	none
9.1.7. Explosion hazard :	none
9.1.8. Explosion range :	none
9.1.9. Density :	30 to 180 (Real Young's Modulus = 40 x 10Mpa)
9.1.10. Solubility in water at T=20°C :	insoluble
9.1.11. PH-value :	not applicable
9.1.12. Viscosity :	not applicable
9.1.13. Flash point :	not applicable
9.1.13. Thermal decomposition :	none

### 10. STABILITY AND REACTIVITY

10.1. Avoid these conditions :	carbon monoxide and dioxide form during combustion ion
10.2. Avoid these substances :	none known
10.3. Hazardous decomposition products :	stable and not reactive

### 11. TOXICOLOGICAL INFORMATION

11.1. Acute toxicity :	none known
11.2. Sub acute / chronicle toxicity :	none known

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### 12. ECOLOGICAL INFORMATION

12.1. Eco toxicological effects : none known  
12.2. Additional ecological information : none known

### 13. DISPOSAL CONSIDERATIONS

13.1. Product : *Recommendation* : collect waste and hand it over to your disposal partner  
13.2. Packaging : *Recommendation* : cardboard, recyclable

### 14. TRANSPORT INFORMATION

14.1. Regulations : none hazardous material in terms of transport regulations

### 15. REGULATORY INFORMATION

15.1. Labels : inhaling of dust  
safety gloves , protective goggles



### 16. SIZING INFORMATION & WORKING PARAMETER

16.1. Dimensions :	Thickness (mm.)	Density	Diameter (mm.)	Max. RPM
	12,00	2	115	13.300
		3		
		5		
		6		
		8		
		9		

16.2. Grit : XCR, CRS, MED, FIN, VFN

### 17. SUITABLE MACHINE

18.1. Additional information : designed to work horizontally on manual and automatic spiral grinding machine



### 18. ADDITIONAL INFORMATION

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