

# MATERIAL TECHNICAL DATA SHEET

Date of Issue : 07.03.2018  
Revised on : 12.12.2019

## UNITIZED WHEEL FOR METAL INDUSTRY

### 1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1. Product : EXL Deburring Wheel from Non Woven Synthetic Fibers  
1.2. Trade name : Unitized Deburring Wheel  
1.3. Manufacturer : Surface Group Aşındırıcı ve Makine Sanayi Ltd. Şti.  
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Tel. : +90 212 483 20 11  
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E-mail : sales@surfacegroup.com.tr  
1.4. Reference : Management  
1.5. Emergency telephone number : Tel. : +90 212 483 20 11 // 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 regulations 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 (SiO <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.  
5.2. 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 :  
*Eye protection* : protective goggles  
*Hand guard* : safety gloves, only for long and intensive skin contact  
*Breathing protection* : vacuum the polishing abrasion automatically  
use dust mask  
*Hearing protection* : 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 : *Requirements for storage areas and containers* :  
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 :  
*Note* : 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 |
|--------------------|-------------------------|---------|----------------|----------|
|                    | 3,18                    | 2       | 25,4           | 30.100   |
|                    | 6,35                    | 3       | 50,8           | 22.100   |
|                    | 12,70                   | 5       | 76,2           | 18.100   |
|                    | 25,40                   | 6       | 152,4          | 7.500    |
|                    |                         | 8       | 203,2          | 5.500    |
|                    |                         | 9       |                |          |
| 16.2. Grit :       | XCR, CRS, MED, FIN, VFN |         |                |          |

### 17. SUITABLE MACHINE

- 18.1. Additional information : designed to work both vertically and horizontally on manual and automatic buffing motor and spiral grinding machine



### 18. ADDITIONAL INFORMATION

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