

MATERIAL TECHNICAL DATA SHEET

Date of Issue : 22.01.2014
Revised on : 02.05.2018

UNITIZED WHEEL FOR METAL INDUSTRY

1. PRODUCT AND COMPANY IDENTIFICATION

- 1.1. Product : Multi-Finishing Wheel from Non Woven Synthetic Fibers
1.2. Trade name : Unitized Polishing Wheel
1.3. Manufacturer : Surface Group Aşındırıcı ve Makine Sanayi Ltd. Şti.
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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 ₂ O ₃)		
silicon carbide (SiC)	409-21-2	
cured resin	mixture	
natural resin	mixture	
nylon fiber	25038-54-4	
additive	13463-67-7	
silica gel (SiO ₂)	7631-86-9	
calcium carbonate (CaCO ₃)	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 : green
- 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	4	50	22.100
	25,00	5	75	18.100
	50,00	6	150	7.500
	75,00	7	200	5.500
		8	250	4.500
		9	300	3.750
16.2. Grit :	80, 120, 150, 180, 240, 320, 400, 600, 800, 1000, 1200,			

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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