

According to GHS – GLOBAL HARMONISED SYSTEM Reg. EC 1907/2006 and to Reg. EU 453/2010

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION			
Product name	BUR – UNITIZED WHEELS QUICK CHANGE DISCS		
Use of the product	Abrasive material for mechanical industry		
Company name:	Weldcote Abrasives		
Address:	7720 Lehigh Ave, Niles, IL 60714		
Telephone number:	224-998-2600		
Fax number:	224-998-2649		
E-mail	ordersniles@weldcotemetals.com		
Emergency phone number:	224-998-2600		

2 HAZARDS IDENTIFICATION	
Classification	The product is classified not hazardous according to Reg. EC 1272/2008
Hazards to human	No relevant hazards to human
Hazards to the environment	No relevant hazards to the environment
Physical or chemical hazards	No relevant physical or chemical hazards

3 **COMPOSITION / INFORMATION ON INGREDIENTS**

Material is composed of abrasive powders supported on an inert matrix of nylon by a polymeric binder

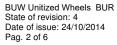
Abrasive material

Matrix	Substance	Hazard symbol	Hazard classification	RTECS	CAS N.	EC N.	% by weight* [*]
	Corundum* (Al ₂ O ₃)			BD1200000	1344-28-1	215-691-6	_
Abrasive	TSCA 8(b) inventory		Listed			100	
powders	powders Silicon carbide (SiC)			VW0450000	409-21-2	206-991-8	100
Silicon carbide (SiO)		TSCA	8(b) inventory		Listed		

Structural support

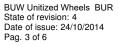
Matrix	Structural component	Hazard symbol	Classification
Support	Nylon (polyamide 6,6)		
Binder	Inert polymeric binder film		
Locking system	Reinforced nylon or plastic material		

^{*:} Corundum is a natural form of aluminium oxide; it contains small impurities of iron, magnesium and silica
**: any differences on abrasive powder composition (% by weight) does not modify hazard classification of material according to reference Regulation





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4 FIRST AID MEASURE	S						
Preamble		Following statements must be taken as base-rules concerning abrasive materials and has to be completed according to safety data sheets of processed materials and process cooling liquid used					
General informations	1	In case of eyes	and skin contact	, give priority to e	yes first aid meas	sures	
Eye contact			eye for several n showing this MS		nning water and s	seek immediate	
Skin contact		Remove contar thoroughly.	minated clothes.	Immediately was	h with water and	soap and rinse	
Inhalation	;	Supply fresh air	r; consult doctor i	n case of compla	ints		
Swallowing			ffects in case of showing this MS		rink water and s	eek immediate	
5 FIRE FIGHTING MEAS	SURES						
Suitable extinguishing agents		CO ₂ , extinguish alcohol resistar		vater spray. Figh	t larger fires with	water spray or	
Protective equipment		Ordinary protec	ctive equipment in	n case of fire-fight	ting		
Specifical risks		None					
6 ACCIDENTAL RELEA		BURES					
Person-related safety precau	ıtions						
Measures for environmental protection		Not applicable to the article					
Measures for cleaning/collecting							
7 HANDLING AND STOR	RAGE						
Handling			_		equipment (see §		
Storage	According to normal use conditions, product does not contain volatile components. Keep in cool, dry, ventilated storage in closed original containers. Do not drinking or enear the storage place.						
	1						
8 EXPOSURE CONTRO	LS / PERS	SONAL PRO	TECTION				
			use in mechanic				
Risk scenario	Experimental toxicological data are not available concerning specifical exposus scenarios. Hazard classification of this product was done according to Reg. EC 1272/20 and other available informations					ifical exposure . EC 1272/2008	
Information about design of	Ensure good ventilation/exhaustion at the workplace.						
technical facilities	Safety washing water must be available for skin and eyes						
			OSHA 2014 TWA [mg/m³]		ACGIH 2014 TWA [mg/m³]		
Exposure limit values	Substan	ice	Total	Respirable fraction	Inhalable fraction	Respirable fraction	
	Silicon o	carbide	15	5	10	3	
	Corundu	um [Al ₂ O ₃]	15	5			

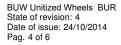




	Particles not otherwise classified	10 mg/m³ inhalable fraction (TWA 8 h, ACGIH 2014) 3 mg/m³ respirable fraction (TWA 8 h, ACGIH 2014)	
Respiratory protection	In case of brief exposur	e use respiratory filter device	
Eyes protection	Safety goggles or face shield		
Hands protection	Protective gloves for chemical products, according to standard EN374; materials for long contact time		
Skin protection	Use protective clothes and protective shoes		
Other informations	Abrasive materials used are inert and cannot cause risks when correctly stored and managed. During use on machineries, they request safety precautions for workers. The most part of powder particles comes from the processed material and eventually from the cooling liquid. Consequently attention and safety precautionary measures on vapours and dusts environmental removing must be applied. Follow the local Safety Management standards and instructions.		

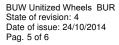
9 PHYSICAL AND CHEMICAL PROPERTIES			
Appearance	Solid abrasive material		
Odour	Odourless		
PH	n.a.		
Charge	n.a.		
Boiling point	n.a.		
Melting point	n.a.		
Flash point	n.a.		
Vapour pressure	n.a.		
Water solubility at 20 ℃	Not soluble		
Volatile organic chemicals (VOC)	No volatile chemicals (VOC) are present at detectable level		
Partition coefficient n-octanol/water	ol/water n.a.		

10 STABILITY AND REACTIVITY		
Stability	Stable in normal handling and storage conditions	
Conditions/materials to avoid	Keep away from strong oxidizers and electrostatic charges	
Dangerous decomposition products	After overheating and drying, thermical decomposition at °T > 250 ℃ can produce dangerous vapours as carbon dioxide, carbon oxide and nitrogen oxides	





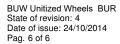
11 TOXICOLOGICAL INFORMAT	11 TOXICOLOGICAL INFORMATIONS				
Material is inert on structural matrix. D	Data are referring to used abrasive components				
Carcinogenic effects: n.a.					
Mutagenic effects:	n.a.				
Acute toxicity	Al_2O_3 (Corundum): > 5000 mg/Kg - DL50, oral rat (IUCLID Data Sheet, European Chemical Bureau) SiC (Silicon Carbide): not available data				
Chronic toxicity	n.a.				
Skin	Mechanical irritating effects				
Inhalation	Irritating (superior respiratory system). Powders produced during use can cause respiratory irritating effects				
Eyes	Mechanical irritating effects: symptoms can be irritating, reddening, damages of corneal surface, tearing. Powders produced during use can cause eyes irritating effects				
Other negative effects	Other risks can be caused depending on the abrasion process material used				
12 ECOLOGICAL INFORMATION					
Ecological toxicity	Al ₂ O ₃ (Corundum): > 100 mg/l – 96 h, salmo trutta (long time acute toxicity) > 100 mg/l – 48 h, daphnia magna (long time acute toxicity) SiC (Silicon carbide): not available data				
Mobility	n.a.				
Biopersistency	n.a.				
Biodegradability	n.a.				
Potential of bioaccumulation	n.a.				
40 DIODOCAL CONCIDERATION	•				
Disposal recommendation	Recovery if possible. Waste and uncleaned packages must be disposed of in accordance with state				
	and local environmental regulations.				
14 TRANSPORT INFORMATION					
ONU number: n.a. ADR/RID: not regulated (road and railway) ICAO/IATA: not regulated (air transport) IMDG/IMO: nor regulated (maritime transport)					
15 REGULATORY INFORMATION	V				
GHS Hazard labeling symbols	None				
UE Hazard labeling symbols	None				
U.S.A. OSHA labeling symbols	None				
CANADA WHIMIS labeling symbols None					





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GHS hazard statements		None				
UE hazard statements			None			
U.S.A. OSHA hazard statements			None			
CANADA WHIMIS hazard statem	nents		None			
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Precautionary statements		S 22	Do not breathe dust			
(Dir. EC 67/548)		S 39	Wear eye/face protection			
Precautionary statements		P 260	Do not breathe dust			
(Reg. EC 1272/2008)		P 280	Wear protective gloves/eye/face protection			
	Subst Reg. mixtu	tances Control Act EC 1272/2008	product are listed or are excluded from listing on the U.S. Toxic Chemical Substance Inventory (see section 3) on classification, labelling and packaging of substances and direpealing Directives EC 67/548 and EC 1999/45, and amending each)			
Other regulation references	Produ	Product does not contains detectable amounts of:				
3	√ sı	✓ substances classified carcinogenic cat. I or cat. 2				
	√ sı	✓ substances included in the ECHA Candidate list of SVHC				
	√ sı	substances included in the Reach annex 14 (authorization)				
		No restriction are applicable according to UE Reach Regulation (Annex 17 and following amendments)				

16 OTHER INFORMATIONS				
GHS Hazard statements (full text) (§ 3)	None			
Further informations and references	Informations are updated to: ✓ GHS "Globally Harmonized System of Classification and Labelling of Chemicals, United Nations, 1 st Revised Edition 2005" ✓ ANSI Z400.1/Z129.1-2010 Hazard Evaluation and Safety Data Sheet and Precautionary Labeling Preparation ✓ Hazard Communication Standard 29 CFR 1910.1200 ✓ Reg. EC 1272/2008 and following amendments ✓ NIOSH: Registry of toxic effects of chemical substances ✓ ACGIH: American Conference of Governmental Industrial Hygienists, 2014 When applicable, according to Reg. 1907/2006/EC - chapter II, all substances used in this preparation where registered Product is according to Reg. 1907/2006/EC – title II requirements (registration of substances) Dir. EC 42/2006 (machineries directive): not applicable. Dir. EC 65/2011 (Rohs 2): not applicable			





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ABBREVIATIONS AND ACRONYMS		
LD50	Average letal dose	
TLV - TWA	Threshold Limit Value - Time Weighted Average	
STEL	Short Term Exposure Limit	
OES	Occupational Exposure Standard	
REACH	Registration, Evaluation, Autorisation of Chemicals	
ECHA	European Chemical Agency	
RTECS	Registry of Toxic Effects of Chemical Substances (U.S.A.)	
OSHA	Occupational Safety and Health Administration	
NIOSH	National Institute for Occupational Safety and Health	
ACGIH	American Conference of Governmental Industrial Hygienists	
TSCA	Toxic Substances Control Act	
WHMIS	Workplace Hazardous Materials Information System (Canada)	
OSHA	Occupational Safety and Health Administration	
n.a.	Not applicable/Not available	

DISCLAIMER

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