



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

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION			
Product name BUF – UNITIZED FIBERGLASS BACKING DISCS			
Use of the product	Abrasive material for mechanical industry		
Company name:	Weldcote Abrasives		
Address:	ress: 7720 Lehigh Ave, Niles, IL 60714 USA		
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			

COMPOSITION / INFORMATION ON INGREDIENTS 3

Material is composed of abrasive powders supported on a structure composed by a nylon support and a polymeric film binder. The structural support contains also a fiberglass platform binded in a inert polymeric film matrix

Abrasive material

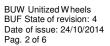
Matrix	Substance	Hazard symbol	Hazard classification	RTECS	CAS N.	EC N.	% by weight* [*]
Corundum* (Al ₂ O ₃)			BD1200000	1344-28-1	215-691-6		
	TSCA	8(b) inventory		Listed		100	
powders Silicon carbide (SiC)			VW0450000	409-21-2	206-991-8	100	
	TSCA	8(b) inventory		Listed			

Structural support

Matrix	Structural component	Hazard symbol	Classification
Support	Nylon (polyamide 6,6)		
Binder	Inert polymeric binder film		
Support	Fiberglass layers (amorphous silica, cas n.: 65997-17-3)		

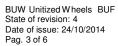
4 FIRST AID MEASURES	
Preamble	Following statements must be taken as base-rules concerning abrasive materials and has to be completed according to safety data sheets of processed materials and process cooling liquid used

^{*:} 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





General informations		In case of eyes and skin contact, give priority to eyes first aid measures						
Eye contact		Rinse opened eye for several minutes under running water and seek immediate medical advice, showing this MSDS						
Skin contact		Remove contaminated clothe thoroughly.	Remove contaminated clothes. Immediately wash with water and soap and rinse thoroughly.					
Inhalation		Supply fresh air; consult doc	Supply fresh air; consult doctor in case of complaints					
Swallowing		No negative effects in case of medical advice, showing this		Drink water and	d seek immed	diate		
5 FIRE FIGHTING MEAS	SURES							
Suitable extinguishing agent	S	CO ₂ , extinguishing powder alcohol resistant foam	or water spra	y. Fight larger f	fires with wa	ter spray or		
Protective equipment		Ordinary protective equipme	ent in case of t	ire-fighting				
Specifical risks		None						
6 ACCIDENTAL RELEA	SE MEA	SURES						
Person-related safety precau	utions							
Measures for environmental protection		Not applicable to the article						
Measures for cleaning/collect	ting							
7 HANDLING AND STO	DAGE							
7 HANDLING AND STO	HAGE	Avoid direct contact using re	acammandad	handling cafety	oguipment (c	200 & 9)		
Handling		Avoid direct contact using recommended handling safety equipment (see § 8). According to normal use conditions, product does not contain volatile components.						
Storage		Keep in cool, dry, ventilated storage in closed original containers. Do not drinking or eating near the storage place.						
8 EXPOSURE CONTRO	LS / PEF	RSONAL PROTECTION						
Risk scenario	Experim Hazard	concerning the use in mecha lental toxicological data are no classification of this product v	ot available co					
Information about design of		e informations good ventilation/exhaustion a	t the workplac	e.				
technical facilities		vashing water must be availab						
				A 2014 [mg/m ³]		H 2014 [mg/m³]		
	Substa	Substance		Respirable fraction	Inhalable fraction	Respirabl e fraction		
Company limit colors	Silicon carbide		15	5	10	3		
	Corund	Corundum		5				
		Synthetic vitreous fibers – glass wool fibers (ACGIH carcinogenicity A3)		TLW - TWA = 1 f/cc (ACGIH) respirable fibers: length > 5 μ m aspect ratio \geq 3:1				
	Particles	s not otherwise classified	10 mg/m³ inhalable fraction (TWA 8 h, ACGIH 2014) 3 mg/m³ respirable fraction (TWA 8 h, ACGIH 2014)					

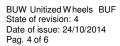




Respiratory protection	In case of brief exposure use respiratory filter device
	Safety goggles or face shield
Eyes protection	
Hands protection	Protective gloves for chemical products, according to standard EN374; materials for long contact time
	Use protective clothes and protective shoes
Skin protection	
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.

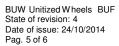
9 PHYSICAL AND CHEMICAL PROPERTIES			
Appearance	Solid abrasive material		
Odour	Odourless		
PH	n.a.		
Charge	n.a.		
Boiling point	n.a.		
Melting point	n.a.		
Flash point	n.a.		
Vapour pressure	n.a.		
Water solubility at 20 ℃	Not soluble		
Volatile organic chemicals (VOC)	No volatile chemicals (VOC)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





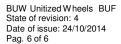
11 TOXICOLOGICAL INFORMAT	IONS		
Material is inert on structural matrix. D	ata are referring to used abrasive components		
Carcinogenic effects:	Glass wool is classified in group 3 of ACGIH (see § 16)		
Mutagenic effects:	n.a.		
Acute toxicity	Al₂O₃ (Corundum): > 5000 mg/Kg - DL50, oral rat (IUCLID Data Sheet, Europi Chemical Bureau) SiC (Silicon Carbide): not available data Amorphous silica: > 5000 mg/Kg - DL50, oral rat (IUCLID Data Sheet, Europi Chemical Bureau)		
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		
Ecological toxicity	> 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.		
13 DISPOSAL CONSIDERATIONS	S		
Disposal recommendation	Recovery if possible. Waste and uncleaned packages must be disposed of in accordance with state and local environmental regulations.		
14 TRANSPORT INFORMATION			
Transport classification and regulation	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 INFO	RMATION	1			
GHS Hazard labeling symbols			None		
UE Hazard labeling symbols			None		
U.S.A. OSHA labeling symbo	ols		None		
CANADA WHIMIS labeling sy	ymbols		None		
GHS hazard statements			None		
UE hazard statements			None		
U.S.A. OSHA hazard stateme	ents		None		
CANADA WHIMIS hazard sta	CANADA WHIMIS hazard statements		None		
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		
Other regulation references	All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act Chemical Substance Inventory (see section 3) Reg. EC 1272/2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives EC 67/548 and EC 1999/45, and amending Reg. EC 1907/2006 (Reach) Product does not contains detectable amounts of: ✓ substances classified carcinogenic cat. I or cat. 2 ✓ substances included in the ECHA Candidate list of SVHC ✓ 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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