

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

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION		
Product name	SCM - SURFACE CONDITIONING MATERIALS	
Use of the product	Abrasive material for mechanical industry	
Company name:	BIBIELLE S.p.A.	
Address:	Via Cuneo, 35 - 12040 Margarita (CN)	
Telephone number:	+39 0171 793800	
Fax number:	+39 0171 793001	
E-mail	bibielle@bibielle.com	
Emergency phone number:	+39 0171 793800	

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**

Material is composed of abrasive powders supported on a structure of plastic or cotton or polyester tissue binded by a polymeric binder

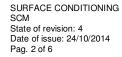
#### Abrasive material

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

#### Structural support

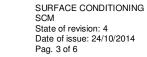
Matrix	Structural component	Risk symbol	Classification
Cupport	Plastic tissue		
Support	Cotton/polyester tissue		
Binder	Inert polymeric binder film		

<sup>\*:</sup> 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





4 FIRST AID MEASURES	3
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	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 clothes. Immediately wash with water and soap and rinse thoroughly.
Inhalation	Supply fresh air; consult doctor in case of complaints
Swallowing	No negative effects in case of swallowing. Drink water and seek immediate medical advice, showing this MSDS
5 FIRE FIGHTING MEAS	SURES
Suitable extinguishing agents	CO. extinguiching powder or water enroy. Fight larger fires with water enroy or
Protective equipment	Ordinary protective equipment in case of fire-fighting
Specifical risks	None
6 ACCIDENTAL RELEAS	SE MEASURES
Person-related safety precaut	tions
Measures for environmental protection	Not applicable to the article
Measures for cleaning/collect	ing
7 HANDLING AND STOP	RAGE
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 CONTROL	LS / PERSONAL PROTECTION
	Any risk concerning the use in mechanical industry
Risk scenario	Experimental toxicological data are not available concerning specifical exposure scenarios. Hazard classification of this product was done according to Reg. 1272/2008/EC and other available informations
Information about design of	Ensure good ventilation/exhaustion at the workplace.
technical facilities	Safety washing water must be available for skin and eyes





			A 2014 [mg/m³]	ACGIH TWA [r	-		
	Substance	Total	Respirable fraction	Inhalable fraction	Respirable fraction		
Exposure limit values	Silicon carbide	15	5	10	3		
	Corundum [Al <sub>2</sub> O <sub>3</sub> ]	15	5				
	Particles not otherwise classified	, , , , , , , , , , , , , , , , , , , ,					
Respiratory protection	In case of brief exposure	In case of brief exposure 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						
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 INFORMATIONS				
Material is inert on structural matrix.	Data are referring to used abrasive components			
Carcinogenic effects	n.a.			
Mutagenic effects	n.a.			
Acute toxicity	Al <sub>2</sub> O <sub>3</sub> (Corundum): > 5000 mg/Kg - DL50, oral rat (IUCLID Data Sheet, European Chemical Bureau)			
Chronic toxicity	SiC (Silicon Carbide): no available data n.a.			
Skin	Mechanical irritating effects			
Inhalation	Irritating (superior respiratory system). Powders produced during use can cause respiratory irritating effects			
	Mechanical irritating effects: symptoms can be irritating, reddening, damages of			
Eyes	corneal surface, tearing. Powders produced during use can cause eyes irritating effects			
Eyes Other negative effects	corneal surface, tearing. Powders produced during use can cause eyes irritating			
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Other negative effects  12 ECOLOGICAL INFORMATION	corneal surface, tearing. Powders produced during use can cause eyes irritating effects  Other risks can be caused depending on the abrasion process material used  NS  Al <sub>2</sub> O <sub>3</sub> (Corundum):  > 100 mg/l – 96 h, salmo trutta (long time acute toxicity)  > 100 mg/l – 48 h, daphnia magna (long time acute toxicity)			
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# SAFETY DATA SHEET

15 REGULATORY INFORM	IOITAI	١			
GHS Hazard labeling symbols	eling symbols		None		
UE Hazard labeling symbols		None			
U.S.A. OSHA labeling symbols			None		
CANADA WHIMIS labeling symb	ols		None		
GHS hazard statements		None			
UE hazard statements			None		
U.S.A OSHA hazard statements			None		
CANADA WHIMIS hazard statem	ients		None		
Precautionary statements		S 22	Do not breathe dust		
(Dir. EC 67/548)		S 39	Wear eye/face protection		
Dun and the same at a translate		P 260	Do not breathe dust		
Precautionary statements (Reg. EC 1272/2008)		P 280	Wear protective gloves/eye/face protection		
		F 200	veal protective gloves/eye/race protection		
Other regulation references  16 OTHER INFORMATIONS	Reg. mixtu Reg. Produ ✓ su ✓ su ✓ su ✓ fo	ingredients of this product are listed or are excluded from listing on the U.S. Toxic ostances Control Act Chemical Substance Inventory (see section 3) g. EC 1272/2008 on classification, labelling and packaging of substances and stures, amending and repealing Directives EC 67/548 and EC 1999/45, and amending g. EC 1907/2006 (Reach) adduct 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)			
GHS Hazard statements	None	<b>.</b>			
(full text) (§ 3)					
Further informations and references	✓ G U ✓ Al Pi ✓ H ✓ R ✓ N ✓ An Wher this p Produ subst	mations are updated to:  HS "Globally Harmonized System of Classification and Labelling of Chemicals, nited Nations, 1st Revised Edition 2005"  NSI Z400.1/Z129.1-2010 Hazard Evaluation and Safety Data Sheet and recautionary Labeling Preparation azard Communication Standard 29 CFR 1910.1200  eg. EC 1272/2008 and following amendments  IOSH: Registry of toxic effects of chemical substances  CGIH: American Conference of Governmental Industrial Hygienists, 2014  n applicable, according to Reg. 1907/2006/EC - chapter II, all substances used in preparation where registered act is according to Reg. 1907/2006/EC - title II requirements (registration of cances)  EC 42/2006 (machineries directive): not applicable.  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**

THIS PREPARATION MUST BE USED ONLY IN THE PROPER WAY FOR PROPER USE.

THE INFORMATIONS CONTAINED IN THIS MSDS, AS OF THE ISSUE DATA, IS BELIEVED TO BE TRUE AND CORRECT. HOWEVER, THE ACCURACY OR COMPLETENESS OF THIS INFORMATION AND ANY RECOMMENDATIONS OR SUGGESTIONS ARE MADE WITHOUT WARRANTY OR GUARANTEE. SINCE THE CONDITIONS OF USE ARE BEYOND THE CONTROL OF OUR COMPANY, IT IS THE RESPONSABILITY OF THE USER TO DETERMINE THE CONDITIONS OF SAFE USE OF THIS PRODUCT