

Voluntary informative product safety data sheet (SVIP), according to GHS – GLOBAL HARMONISED SYSTEM, Reg. EC 1907/2006 and to Reg. EU 453/2010

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION			
Product name NW – NON WOVEN MATERIALS			
Use of the product Abrasive material for mechanical industry			
Company name BIBIELLE S.p.A.			
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2 HAZARDS IDENTIFICATION	
Hazard classification of the product	The abrasive product is an article and cannot hazard classification according to Reg. EC 1272/2008 is not applicable.
Hazard diassification of the product	Risks about its use should be assested by the safety management system of any downstream user
Labelling	This abrasive product is an article: labelling is not applicable according to Reg. 1272/2008/EC

3 COMPOSITION / INFORMATION ON INGREDIENTS

Abrasive product consisting of a plastic core anD a non woven fabric base on polyamide (Nylon 66) / methyl methacrylate, loaded with abrasive powder, pigmented and binded in a thermosetting resin matrix

Abrasive material

Matrix Substance		Hazard pictogram	Hazard classification	CAS N.	EC N.
Wattix Substance	Reg. EC 1272/2008 Reg. EC 1272/2008		CAS N.	EC N.	
Corundum* (Al ₂ O ₃) Abrasive				1344-28-1	215-691-6
		TSCA 8(b) inventory	Listed		
		RTECS	BD1200000		
powders	O'll and a second list.			409-21-2	206-991-8
Silicon carbide (SiC)	TSCA 8(b) inventory	Listed			
		RTECS	VW0450000		

^{*:} Corundum is a natural form of aluminium oxide; it contains small impurities of iron, magnesium and silica

Structural support

Matrix	rix Structural component		Hazard classification
Cupport	Nylon 66		
Support Polymethylmetacrylate			
Binder Inert thermosetted polymer			



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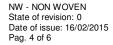
4 FIRST AID MEASURE	S						
Preamble		Following statements must be taken as base-rules concerning abrasive materials and has to be completed according to safety data sheets of processed materials and process cooling liquid used					
General informations		In case of eyes and skin contact, give priority to eyes first aid measures					
Eye contact			eye for several mi , showing this MS		ing water and see	ek immediate	
Skin contact		Remove contaminated clothes. Immediately wash with water and soap and rinse thoroughly.					
Inhalation		Supply fresh ai	r; consult doctor i	n case of compla	ints		
Swallowing			No negative effects in case of swallowing. Drink water and seek immediate medical advice, showing this MSDS				
5 FIRE FIGHTING MEA	SURES						
Suitable extinguishing agent	ts	CO ₂ , extinguis 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	ASE MEA	SURES					
Person-related safety preca	utions						
Measures for environmental protection		Not applicable to the article					
Measures for cleaning/collection	cting						
7 HANDLING AND STO	RAGE						
Handling		Avoid direct contact using recommended handling safety equipment (see § 8). According to normal use conditions, product does not contain volatile components.					
Storage	Storage Keep in cool,		ol, dry, ventilated storage in closed original containers. Do not drinking ear the storage place.				
8 EXPOSURE CONTRO	DLS / PEF	RSONAL PRO	TECTION				
Risk scenario	Experim scenario	Any risk concerning the use in mechanical industry Experimental toxicological data are not available concerning specifical exposure scenarios. Hazard classification of this product was done according to Reg. EC 1272/200 and other available informations					
Information about design of technical facilities	Ensure good ventilation/exhaustion at the workplace. Safety washing water must be available for skin and eyes						
		=	OSHA	A 2014 [mg/m ³]	ACGIH TWA [r		
	Substa	nce	Total	Respirable fraction	Inhalable fraction	Respirable fraction	
Exposure limit values	Silicon	carbide	15	5	10	3	
	Corund	um [Al ₂ O ₃]	15	5			
	Particle classifie	s not otherwise	10 mg/m ³ inhalable fraction (TWA 8 h, ACGIH 2014) 3 mg/m ³ respirable fraction (TWA 8 h, ACGIH 2014)				



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	In case of brief exposure use respiratory filter device
Respiratory protection	
	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.

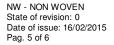
9 PHYSICAL AND CHEMICAL PROPERTIES		
Appearance	Solid abrasive material	
Colour	Different colours	
Odour	Odourless	
PH	Not applicable	
Ionic charge Not applicable		
Boiling point	Not applicable	
Melting point	Not applicable	
Flash point	Not applicable	
Vapour pressure	Not applicable	
Water solubility at 20 ℃	Not soluble	
Volatile organic chemicals (VOC)	No volatile chemicals (VOC) are present at detectable level	
Partition coefficient n-octanol/water No available data on this article		





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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. E	Data are referring to used abrasive components
Carcinogenic effects:	No carcinogenic effects are known and applicable
Mutagenic effects:	No mutagenic effects are known and applicable
Acute toxicity	Al₂O₃ (Corundum): > 5000 mg/Kg - DL50, oral rat SiC (Silicon Carbide): no available data
Chronic toxicity	No chronic effects are known and applicable
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	IS
Ecological toxicity	Al₂O₃ (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	No available and applicable data about this abrasive article
Biopersistency	No available and applicable data about this abrasive article
Biodegradability	No available and applicable data about this abrasive article
Potential of bioaccumulation	No available and applicable data about this abrasive article
13 DISPOSAL CONSIDERATION	S S
Disposal recommendation Recovery if possible. Waste and uncleaned packages must be disposed of in accordance with and local environmental regulations.	
14 TRANSPORT INFORMATION	
Transport classification and regulation	ONU number: not applicable ADR/RID: not regulated (road and railway) ICAO/IATA: not regulated (air transport) IMDG/IMO: nor regulated (maritime transport)

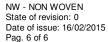




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15 REGULATORY INFORM	ATION	J			
GHS Hazard labeling symbols		None			
UE Hazard labeling symbols			None		
U.S.A. OSHA labeling symbols			None		
CANADA WHIMIS labeling symbol	nls		None		
	J.O	I	110.10		
GHS hazard statements			None		
UE hazard statements			None		
U.S.A. OSHA hazard statements			None		
CANADA WHIMIS hazard statem	ents		None		
Precautionary statements		P 260	Do not breathe dust		
(Reg. EC 1272/2008)		P 280	Wear protective gloves/eye/face protection		
Other regulation references	Reg. mixtul Reg. Produt su su su su su su	substances included in the ECHA Candidate list of SVHC substances included in the Reach annex 14 (authorization)			
16 OTHER INFORMATIONS	3				
GHS Hazard statements (full text) (§ 3)					
Further informations and references	✓ GI UI ✓ AI Pr ✓ Ha ✓ Ro ✓ NI ✓ AC Wher this p Produ	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 reparation where registered uct is according to Reg. 1907/2006/EC - title II requirements (registration of ances) iC 42/2006 (machineries directive): not applicable.			

Dir. EC 65/2011 (Rohs 2): not applicable





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SAFETY DATA SHEET

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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	

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