

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	GW – GRINDING DISCS	
Description and use	Abrasive material rigid organic binder Use: grinding of metals	
Company name	BIBIELLE S.p.A.	
Address	Via Cuneo, 35 - 12040 Margarita (CN), Italy	
Telephone number	+39 0171 793800	
Fax number	+39 0171 793001	
E-mail	bibielle@bibielle.com	
Emergency phone number	+39 0171 793800	

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. 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 material, binded in a thermosetting resin matrix

Abrasive material in polimeric matrix

Matrix	Substance	Hazard pictogram	Hazard classification	CAS N.	EC N.		
Mati IX Cobstance		Reg. EC 1272/2008 Reg. EC 1272/2008		CAS N.	EC N.		
	Alumainium avida			1344-28-1	215-691-6		
	Aluminium oxide -	TSCA 8(b) inventory	Listed				
	7203	RTECS	BD1200000				
	Iron oxide			1309-37-1	215-168-2		
	Fe ₂ O ₃	TSCA 8(b) inventory		Listed			
	1 6203	RTECS	NO7400000				
	Pyrite			1309-36-0	215-167-7		
	FeS ₂	TSCA 8(b) inventory	Listed				
Abrosino	Fe3 ₂	RTECS	N.A.				
Abrasive powders	ders Kalfren (Aluminium potassium	!	Eye irrit 2 – H319 Acute tox 4 – H332 Lact – H362 STOT RE 1 – H372 Aquatic chronic 3 – H412	60304-36-1	262-153-2		
	fluoride)	TSCA 8(b) inventory	·	Listed			
		RTECS	N.A.				
	Barium carbonate	<u>(!)</u>	Acute tox 2 – H302	513-77-9	208-163-3		
	BaCO ₃	TSCA 8(b) inventory		Listed	•		
		RTECS	CO8600000				



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Structural support

Matrix	Structural component	Hazard pictogram	Hazard classification
Binder	Inert thermosetted polymer		

4 FIRST AID MEASURE	ES			
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 relevant effects in case of swallowing. Drink water and seek immediate medical advice, showing this MSDS		
5 FIRE FIGHTING MEA	SURES			
Suitable extinguishing agents		CO ₂ , extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam		
Protective equipment		Ordinary protective equipment in case of fire-fighting		
Specifical risks		None		
6 ACCIDENTAL RELEA	ASE MEA	SURES		
Person-related safety precaution	ns			
Measures for environmental pro		Not applicable to the article		
Measures for cleaning/collecting	g			
7 HANDLING AND STO	RAGE			
7 HANDLING AND STO	MAGL			
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	DLS / PEF	RSONAL PROTECTION		
-				
Risk scenario Experim scenario		concerning the use in mechanical industry nental toxicological data are not available concerning specifical exposure os. Hazard classification of this product was done according to Reg. EC 1272/2008 er available informations		
Information about design of		good ventilation/exhaustion at the workplace.		
technical facilities	Safety v	vashing water must be available for skin and eyes		



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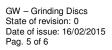
	I I V V / \ I	mg/m³]	TWA [r	na/m³l		
Substance	Total	Respirable fraction	Inhalable fraction	Respirable fraction		
Alluminium oxide [Al ₂ O ₃]	15	5				
Aluminium potassium fluoride	2,5		2,5			
Barium carbonate			0,5			
Particles not otherwise classified						
In ca	se of brief expos	ure use respirato	ry filter device			
		T T				
	Safety goggles or face shield					
Protective gloves for chemical products, according to standard EN374; materials for contact time				erials for long		
Use protective clothes and protective shoes						
managed. During use of most part of powder part cooling liquid. Consequent dusts environmental ren	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.					
	[Al ₂ O ₃] Aluminium potassium fluoride Barium carbonate Particles not otherwise classified In ca	Abrasive materials used are inert and managed. During use on machineries, most part of powder particles comes from cooling liquid. Consequently attention are dusts environmental removing must be a	Aluminium potassium fluoride Barium carbonate Particles not otherwise classified In case of brief exposure use respirator Safety goggles or face shien Protective gloves for chemical products, according to standard time Use protective clothes and protective clothes and protective gloves for chemical products, according to standard time Use protective clothes and protective clothes and protective gloves for chemical products, according to standard time Use protective clothes and protective clothes and protective gloves for chemical products, according to standard time	Aluminium potassium		

9 PHYSICAL AND CHEMICAL PROPERTIES		
Appearance	Solid abrasive material	
Colour	Black	
Odour	Odourless	
PH	Not applicable	
Ionic charge	Not applicable	
Boiling point	Not applicable	
Melting point	Not applicable	
Flash point	Not applicable	



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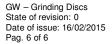
Vapour pressure	Not applicable			
Water solubility at 20 ℃	Not soluble			
Volatile organic chemicals (VOC)	No volatile chemicals (VOC) are present at detectable level			
Partition coefficient n-octanol/water	No available data on this article			
40 OTABILITY AND DEACTIVITY				
10 STABILITY AND REACTIVITY				
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 polymeric matrix.	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	Aluminium oxide: > 5000 mg/Kg - DL50, oral rat (IUCLID Data Sheet, Europea Chemical Bureau) Barium carbonate: 418 mg/Kg - DL50, oral rat (Sigma Aldrich)			
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			
AS FOOLOGICAL INFORMATION				
12 ECOLOGICAL INFORMATION				
Ecological toxicity	Aluminum oxide > 100 mg/l – 96 ore, salmo trutta (acutetoxicity) > 100 mg/l – 48 ore, daphnia magna (acute toxicity) Barium carbonate 6950 mg/l – 96 ore, gambusia affinis (acute toxicity)			
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			
Disposal recommendation	Recovery if possible. Waste and uncleaned packages must be disposed of in accordance with state and local environmental regulations.			





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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)		
15 REGULATORY INFORMATION				
GHS Hazard labeling symbols			None	
UE Hazard labeling symbols			None	
U.S.A. OSHA labeling symbols			None	
CANADA WHIMIS labeling symbo	ols		None	
GHS hazard statements			None	
UE hazard statements			None	
U.S.A. OSHA hazard statements			None	
CANADA WHIMIS hazard statement	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	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)	H332 - H362 - H372 -			
Further informations and references	✓ GH Na ✓ AN La ✓ Ha ✓ Nii ✓ AO When prepar Produc Dir. EO	- Harmful to aquatic life with long lasting effects nations are updated to: iHS "Globally Harmonized System of Classification and Labelling of Chemicals, Unite lations, 1st Revised Edition 2005" NSI Z400.1/Z129.1-2010 Hazard Evaluation and Safety Data Sheet and Precautional abeling Preparation lazard Communication Standard 29 CFR 1910.1200 lage, EC 1272/2008 and following amendments IIOSH: 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 the lation where registered lation where registered late is according to Reg. 1907/2006/EC - title II requirements (registration of substances) IC 42/2006 (machineries directive): 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	

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