

SAFETY DATA SHEET

*Voluntary informative product safety data sheet (SVIP),
according to GHS – GLOBAL HARMONISED SYSTEM, Reg. EC 1907/2006 and to Reg. EU 830/2015*

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name	CA – ZIRCONIUM ABRASIVE BELTS
Use of the product	Abrasive material for mechanical industry Do not use for other purposes
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

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 assessed 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	
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	
Hazard statements (Reg. EC 1272/2008)	None	
Precautionary statements (Reg. EC 1272/2008)	P 210	Keep away from heat/sparks/open flames/hot surfaces. — No smoking
	P 260	Do not breathe dust
	P 280	Wear protective gloves/eye/face protection

3 COMPOSITION / INFORMATION ON INGREDIENTS

Abrasive material, binded in a thermosetting resin matrix

Matrix	Substance	CAS N.	% by weight
Backing	Polyester	N/A	20 - 70
Abrasive Grain	Aluminum Oxide	1344-28-1	15 - 45
	Alumina Zircona	68955-26-0	15 - 30
Bonding Resin	Cured Phenolic Resin	9003-35-4	5 - 20
Filler	Calcium Carbonate	16389-88-1	1 - 20
	Cryolite	15096-52-3	1 - 25
	Potassium Floroborate	14075-53-7	1 - 10





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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
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 SDS
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 SDS
5 FIRE FIGHTING MEASURES	
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
Specific risks	None
6 ACCIDENTAL RELEASE MEASURES	
Person-related safety precautions	Not applicable to the article
Measures for environmental protection	
Measures for cleaning/collecting	
7 HANDLING AND STORAGE	
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 CONTROLS / PERSONAL PROTECTION	
Risk scenario	Any risk concerning the use in mechanical industry Experimental toxicological data are not available concerning specific exposure scenarios. Hazard classification of this product was done according to Reg. 1272/2008/EC 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

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Respiratory protection	In case of brief exposure use respiratory filter device 
Eyes protection	According to the application process: safety goggles or face shield (EN 166) 
Hands protection	According to the application process: protective gloves for chemical products, according to standard EN374; materials for long contact time 
Skin protection	According to the application process: 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	n.a.
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 °C	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, thermal decomposition at $T > 250\text{ }^{\circ}\text{C}$ can produce dangerous vapours as carbon dioxide, carbon oxide, nitrogen oxides, fluorides

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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	n.a.
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 INFORMATIONS

Ecological toxicity	n.a.
Mobility	n.a.
Biopersistency	n.a.
Biodegradability	n.a.
Potential of bioaccumulation	n.a.

13 DISPOSAL CONSIDERATIONS

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: n.a. 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 INFORMATION

GHS Hazard labeling symbols	None
UE Hazard labeling symbols	None
U.S.A. OSHA labeling symbols	None
CANADA WHIMIS labeling symbols	None
GHS hazard statements	None
UE hazard statements	None
U.S.A OSHA hazard statements	None
CANADA WHIMIS hazard statements	None

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Other regulation references	<p>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, labeling 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:</p> <ul style="list-style-type: none"> ✓ substances classified carcinogenic cat. 1 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)
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16 OTHER INFORMATIONS

GHS Hazard statements (full text) (§ 3)	None
Further informations and references	<p>Informations are updated to:</p> <ul style="list-style-type: none"> ✓ GHS "Globally Harmonized System of Classification and Labelling of Chemicals, United Nations, 1st 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, 2015 <p>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</p>
Changes from the previous version	For regulatory updates were examined sections 1, 3, 15

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.

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