



Previous edition: 12/06/2019 Date of issue: 21/12/2020 Revision: 7 Page 1 of 11

MATERIAL SAFETY INFORMATION SHEET

1	CHEMICAL PRODUCT AND COMPANY IDENTIFICATION			
1.1	Product name	SCM - SURFACE CONDITIONING MATERIALS		
1.2	Description and use of the product	Abrasive material for mechanical industry. Industrial and professional use. Do not use for other purposes		
	Company name	BIBIELLE S.p.A. a Socio Unico		
	Address	Via Cuneo, 35 - 12040 Margarita (CN), Italy		
1.3	Telephone number	+39 0171 793800		
	Fax number	+39 0171 793001		
	E-mail address of the competent person responsible for Safety Data Sheet	bibielle@bibielle.com		
1.4	Emergency phone number	Poison control centers in Italy ROMA CAVp "Osp. Pediatrico Bambino Gesù". Tel: 0039 06 68593726 FOGGIA Az. Osp. Univ. Foggia. Tel: 0039 0881 732326 MILANO Ospedale Niguarda Ca' Granda. Tel: 0039 02 66101029 NAPOLI Ospedale Riuniti Cardarelli. Tel: 0039 081 7472870 ROMA Policlinico Agostino Gemelli. Tel: 0039 06 3054343 ROMA Policlinico Umberto I. Tel: 0039 06 490663 PAVIA CAV Centro Naz. di Informazione Tossicologica. Tel: 0039 0382 24444 BERGAMO Azienda Ospedaliera Papa Giovanni XXII. Tel.: 0039 800 883300 FIRENZE Az. Osp. "Careggi" U.O. Tossicologia Medica. Tel.: 0039 055 7947819 VERONA Azienda Ospedaliera Integrata. Tel: 800011858		





Previous edition: 12/06/2019 Date of issue: 21/12/2020 Revision: 7 Page 2 of 11

MATERIAL SAFETY INFORMATION SHEET

Voluntary material safety information sheet according to GHS – GLOBAL HARMONISED SYSTEM, Reg. EC 1907/2006 and to Reg. EU 878/2020

HAZARDS IDENTIFICATION

GHS Symbols and hazard labelling according to Reg. 1272/2008/EC



Preamble. Surface conditioning is an abrasive article. It is not a chemical mixture, according to definitions of OSHA Standards for Hazard Labeling 1910.1200 and according to Reg. 1272/2008/UE.

"ARTICLE" MEANS A MANUFACTURED ITEM OTHER THAN A FLUID OR PARTICLE: (I) WHICH IS FORMED TO A SPECIFIC SHAPE OR DESIGN DURING MANUFACTURE; (II) WHICH HAS END USE FUNCTION(S) DEPENDENT IN WHOLE OR IN PART UPON ITS SHAPE OR DESIGN DURING END USE; AND (III) WHICH UNDER NORMAL CONDITIONS OF USE DOES NOT RELEASE MORE THAN VERY SMALL QUANTITIES, E.G., MINUTE OR TRACE AMOUNTS OF A HAZARDOUS CHEMICAL, AND DOES NOT POSE A PHYSICAL HAZARD OR HEALTH RISK TO EMPLOYEES

This informative product safety data sheet is voluntary. When applicable, it follows the European Union Regulation 878/2020 criteria, although safety data sheets should be applicable to chemical substances and mixtures and not to articles

HAZARDS CLASSIFICATION ACCORDING TO OSHA AND TO GHS CRITERIA OF CHEMICALS ARE NOT DIRECTLY APPLICABLE TO THIS ABRASIVE ARTICLE

NO GHS PICTOGRAMS AND NO GHS HAZARD STATEMENTS ARE APPLICABLE TO THIS ABRASIVE ARTICLE

NO GHS PRECAUTIONARY STATEMENTS ARE APPLICABLE TO THIS ABRASIVE ARTICLE. HOWEVER, PRECAUTIONARY STATEMENTS AND OTHER TECHNICAL INFORMATIONS IN FOLLOWING SECTIONS ARE GIVEN CONCERNING THE METHOD OF USE (MATERIAL ABRASION PROCESSES)

NOT HAZARDOUS		
not directly applicable to abrasive articles		
NO GHS PICTOGRAM		
not directly applicable to abrasive articles		

Label elements

NOT HAZARDOUS, NO GHS PICTOGRAM not directly applicable to abrasive articles

Substances to be indicated on the label Not applicable

Hazard statements not directly applicable to abrasive articles

Hazar

No hazard statements

2.2

Precautionary statements

P 260	Do not breathe dust

P 280 Wear protective gloves/eye/face protection

Other hazards

not directly applicable to abrasive articles

	(EC) 1907/2006, all. XIII	Not applicabile
2.3	The mixture meets the criteria for vPvB according to Reg.(EC) 1907/2006, all. XIII	Not applicabile
	Other hazards	Risks about its use should be assessed by the safety management system of any downstream user, concerning specific material abrasion processes



Previous edition: 12/06/2019 Date of issue: 21/12/2020 Revision: 7 Page 3 of 11

MATERIAL SAFETY INFORMATION SHEET

Voluntary material safety information sheet according to GHS – GLOBAL HARMONISED SYSTEM, Reg. EC 1907/2006 and to Reg. EU 878/2020

3	COMPOSITION / INFORMATION ON INGREDIENTS
3.1	Substances: not applicable
3.2	Mixtures: not applicable This material is an article containing abrasive substances on a specific shape of inert solid matrix

This abrasive article based on abrasive powders supported on an inert matrix made up of a plastic fabric and on cotton or polyester fabric with inert polymerized resin

Abrasive material supported and binded

Matrix	Substance**	Hazard pictogram	Hazard classification	CAS N.	EC N.
Watrix		Reg. EC 1272/2008	Reg. EC 1272/2008	OAO II.	
				1344-28-1	215-691-6
		TSCA 8(b) inventory	Listed		
Abrasive		RTECS	BD1200000		
powders				409-21-2	206-991-8
		TSCA 8(b) inventory	Listed		
		RTECS	VW0450000		

^{*:} The word Corundum is defined as a natural form of alumina containing small amounts of iron, magnesium and silica impurities

Structural support

Matrix Structural component		Hazard pictogram	Hazard classification
Cupport	Polyester / cotton tissue	No GHS pictogram	Not hazardous
Support	Nylon (poliamide 6.6)	No GHS pictogram	Not hazardous
Binder	Inert polymeric film	No GHS pictogram	Not hazardous

No additional ingredients, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, meet the PBT or vPvB criteria or are considered to be of equivalent concern substances or substances which It has been assigned a workplace exposure limit and hence require reporting in this section. No nanocompounds are used

The upper limits of the ranges of concentration are excluded

Occupational exposure limits, if available, are listed in Section 8



Previous edition: 12/06/2019 Date of issue: 21/12/2020 Revision: 7 Page 4 of 11

MATERIAL SAFETY INFORMATION SHEET

Voluntary material safety information sheet according to GHS – GLOBAL HARMONISED SYSTEM, Reg. EC 1907/2006 and to Reg. EU 878/2020

4	FIRST AID MEASURES				
Prem	Premise				
The 1	ne following recommendations are basic rules when using the abrasives applied and must be supplemented by formation on the safety data sheets of the working material and any eventual refrigerant used				
	Description of first aid measures, in the case of dust projections				
	Eye contact	Rinse opened eye for several minutes under running water and seek immediate medical advice, showing this MSDS			
4.1	Skin contact	Remove contaminated clothes. Immediately wash with water and soap a rinse thoroughly.			
	Swallowing	Drink water and seek immediate medical advice, showing this MSDS			
	Inhalation	Supply fresh air; consult doctor in case of complaints			
	Other informations	Immediately remove contaminated clothing			
	Most important symptoms and e	ffects, acute and delayed			
4.2	Potential acute health effects	No health-related episodes attributable to the product are known Eye contact: possible moderate and reversible irritation Inhalation: possible generalized malaise Skin contact: moderate and reversible irritation possible Ingestion: No known significant effects or critical hazards			
-	Medical attention and special treatment				
4.3	Threat symptomatically. If ingested or inhaled (large amounts), immediately contact a poison control center. No specific treatments are known				
5	FIRE FIGHTING MEASURES				
5.1	Suitable extinguishing agents	This abrasive material is not flammable. Abrasives substances are not combustible. Substances of the support material contain solid fuels (type A fireworks). In the event of a fire, the following extinguishing media may be used: carbon dioxide (CO ₂ , foam, chemical powders, in the case of very large fire extinguishing even spray water spray			
5.2	Unsuitable extinguishing agents for safety reasons	None of the abrasive material, to be evaluated also in the context of the general context of use, of the materials subject to abrasion processes and resulting powders			
5.3	Special hazards caused by the substance and its combustion products or resulting gases	In case of fire exposed at high temperatures the present organic substances may partially decompose and burn by releasing carbon oxides and other oxidized organic compounds			
5.4	Protective equipment	Use protection for the respiratory tract. Cool fire exposed containers with water			
5.5	Recommendations for Fire Extinguishers	Cool with water jets containers to avoid product decomposition and the development of substances potentially hazardous to health. Always wear complete fire protection equipment. Collect extinguishing water that should not be discharged into drains. Dispose of contaminated water used for fire extinguishing and residues according to applicable regulations. Use normal fire fighting clothing such as an open-air compressor (EN 137), full			

boots (HO A29 or A30)

flame retardant (EN469), flame retardant gloves (EN 659) and fire brigade





Previous edition: 12/06/2019 Date of issue: 21/12/2020 Revision: 7 Page 5 of 11

MATERIAL SAFETY INFORMATION SHEET

6	ACCIDENTAL RELEASE MEASURES				
	Personal precautions, protective equipment and procedures in case of emergency				
	Person-related safety precautions				
6.1	Measures for environmental protection	Not applicable for this abrasive article as such			
	Additional informations				
	Methods and materials for conta	inment and cleaning			
6.2	Measures for cleaning/collecting (small spill)	Not applicable for this abrasive article as auch			
	Measures for cleaning/collecting (large spill)	Not applicable for this abrasive article as such			
	Reference to other sections				
6.3	Emergency telephone numbers	See section 1			
0.5	Protection devices individual.	See section 8			
-	Waste treatment	See section 13			
7	HANDLING AND STORAGE				
7.1	Handling	Wash hands thoroughly after handling the product, especially before drinking and / or eating. Avoid contact with eyes, do not breathe dust and aerosols, do not ingest. The product, used under the normal conditions of use recommended in the specific technical instructions, does not contain volatile compounds and does not require specific vapor capture systems, but precautions must be taken to produce dust during the abrasion process. Do not smoke, drink or eat during use. Provide near waterpoints.			
7.2	Storage	Store in original packaging, closed and away from sources of heat. Use appropriate storage areas.			
7.3	Specific end use(s)	Abrasive material for mechanical industry. Industrial and professional use. Do not use for other purposes			



Previous edition: 12/06/2019 Date of issue: 21/12/2020 Revision: 7 Page 6 of 11

MATERIAL SAFETY INFORMATION SHEET

8	EXPOSURE CONTROLS / PERSONAL PROTECTION						
	Control parameters						
		Component		USA OSHA 2020 TWA [mg/m³]		GERMANY DFG 2020 TWA [mg/m ³]	
8.1	Exposure limit values	Component	Inhalable fraction	Respirabile fraction	Inhalable fraction	Respirabile fraction	
•	(IFA_GESTIS - http://limitvalue.ifa.dguv.de/)	Silicon carbide	15	5			
	nttp://iimitvalue.iia.dguv.de/)	Corundum [Al ₂ O ₃]	15	5	4	1,5	
		Not classified dust	3 mg/m ³ respira	able fraction (TW/ abile fraction (TW/	A 8 hours, ACG	SIH 2020)	
	Hygiene and personal protective measures	For the handling an technical measures During operation, re the National Regul indicated. When us according to the ma eye fountain.	are required. efer to the opera lations and care sing in mechanio	ting instructions of fully observe the cal machining, us	of the operatin e maximum op se a localized	g machines and perating speeds suction system	
	Exposure control (depend	ing also on the speci	fic abrasion pro	cess method and	d related mate	rials)	
	Respiratory protection	During use, as a result of the formation of dusts and aerosols, protect the respiratory tract by means of collective suction systems or individual devices (A-type filter mask whose class (1, 2 or 3) should be selected in relation to the limit concentration Use respirators and components tested and approved by the relevant standardization bodies, such as NIOSH (USA), CEN (US), EN 14387. If the respirator is the only means of protection, use a fully flush ventilated system (UE)					
	Eyes protection	During use, as a result of dust production, protect eyes with tested and approved devices according to the requirements of appropriate technical standards such as NIOSH (USA) or EN 166 (EU)					
8.2		Leather or PVC working gloves (EN 374)					
	Hands protection						
	Thermal hazards	Not applicable in relation to the intended use. Wear heat-resistant gloves in case of thermal hazards					
	Skin protection	The use of protective clothing for the skin and body is not strictly necessary for normal use, but it is advisable to wear ordinary work clothing for general skin protection in relation to the use and associated risks assessed					
	Other informations	Keep away from foodstuffs. Wash hands thoroughly after handling the product. Keep working clothes separately. Immediately remove contaminated clothing. Follow the local Safety Management standards and instructions.					



Previous edition: 12/06/2019 Date of issue: 21/12/2020 Revision: 7 Page 7 of 11

MATERIAL SAFETY INFORMATION SHEET

9	PHYSICAL AND CHEMICAL PROPERTIES		
	Information on basic physical and chemical properties		
	Appearance	Solid abrasive material (different colours)	
	PH	Not applicable	
	Odour	Odourless	
	Odour threshold	Not applicable	
	Density at 20°C	No available data for the abrasive product	
	Relative vapour density (dry air = 1)	No available data for the abrasive product	
	Flash point	Not applicabile for the abrasive product	
	Melting temperature	Not applicabile for the abrasive product	
9.1	Boiling temperature	Not applicabile for the abrasive product	
	Self-ignition temperature	The abrasive material is not combustible. The support material has a self-ignition temperature> 300 ° C	
	Decomposition temperature	> 250°C, with reference to the components of the support material	
	Explosive range	No available and applicable data for the components of § 3	
	Comburent properties	Not applicable	
	Vapour pressure at 20°C	Not significant for the abrasive product	
	Water solubility	Insoluble	
	Solvent solubility	Insoluble	
	Partition coefficient n-octanol/water (log Pow)	No available and applicable data for the components of § 3	
	Other informations		
9.2	VOC (Directive 2010/75/EC)	< 0,1%	
	VOC (volatile carbon)	< 0,1%	

10	STABILITY AND REACTIVITY		
10.1	Chemical stability	The abrasive product is stable under recommended conditions of use and storage	
10.2	Possibility of dangerous reactions	In contact with strong acids, strong alkaline agents, and strong oxidants may give rise to reactions	
10.3	Conditions to avoid	Avoid strong and prolonged overheating, in uncontrolled conditions and with triggers	
10.4	Incompatible materials	Strong acids, strong bases, and concentrated oxidants or concentrate reducing agents, which may alter product characteristics, particularly adhesive, and create safety hazards when mills are used on machines	
10.5	Hazardous decomposition products	Dangerous vapors/gases such as carbon monoxide, carbon dioxide and nitrogen oxides can be produced for overheating and decomposition at temperatures above 250°C	





Previous edition: 12/06/2019 Date of issue: 21/12/2020 Revision: 7 Page 8 of 11

MATERIAL SAFETY INFORMATION SHEET

11	TOXICOLOGICAL INFORMATIONS		
	Toxicological effects		
	Acute toxicity	The material is matrix inerted. The data refer to the abrasive substances present For this abrasive product (estimated figure based on component weight calculation) LD50 (oral)> 5000 mg / Kg	
		Al ₂ O ₃ (Corundum)	> 5000 mg/Kg - DL50, oral rat (IUCLID Data Sheet, European Chemical Bureau)
		Silicon carbide	No available data
	Effects on eye	Based on available data, the classification criteria are not met Mechanical eye irritation: Symptoms may include irritation, redness, corneal abrasions, and tearing. The dust that forms during use can cause eye irritation	
11.1	Effects on skin	Based on available data, the classification criteria are not met Mechanical skin irritation: Symptoms may include itching and erythema	
	Sensitisation	Based on available data, the classification criteria are not met	
	Inhalation	Based on available data, the classification criteria are not met. Irritation (upper respiratory tract): Symptoms may include pain in the nose and throat, cough, sneezing. The dust that forms during use can cause irritation of the respiratory system	
	Ingestion	Based on available data, the classification criteria are not met. Ingestion is not a probable route of exposure to this product	
	Specific target organ toxicity (STOT) - single and repeated exposure	Based on available data, the classification criteria are not met	
	Aspiration hazard	Based on available data, the classification criteria are not met	
	Other adverse effects	Health risks may depend on exposure to materials subjected to abrasion processes	
	CMR properties		
11.2	Carcinogenicity		nronic exposure to the components of the abrasive product effects for any of the components
11.2	Mutagenicity	In vitro and in vivo studies substances present in the p	s carried out on the components indicate that none of the product are genotoxic
	Reproductive toxicity	Based on available data, the classification criteria are not met	
11.3	Other information: metabolism, kinetics, mechanism of action, effects on the endocrine system for short and long term effects		
11.0	No other informations are available		



Previous edition: 12/06/2019 Date of issue: 21/12/2020 Revision: 7 Page 9 of 11

MATERIAL SAFETY INFORMATION SHEET

Voluntary material safety information sheet according to GHS – GLOBAL HARMONISED SYSTEM, Reg. EC 1907/2006 and to Reg. EU 878/2020

12	ECOLOGICAL INFORMATIONS	
12.1	Ecotoxicity	Acute and chronic toxicity: based on available data the classification criteria are not met. Components of the product are not classified hazardous to aquatic environment.
		ACUTE ECOTOXICITY
		Al ₂ O ₃ (Corundum): > 100 mg/l – 96 h, salmo trutta > 100 mg/l – 48 h, daphnia magna CSi (Silicon carbide): no available data
		CHRONIC ECOTOXICITY
		No data on chronic ecotoxicity are available for the ingredients of the product
12.2	Elimination information (persistence and degradability)	No information is available for this product. The abrasive components present are inorganic and are not biodegradable in water and soil
	Mobility in soil	No information is available for the product.
12.4		The substances present in the product, mentioned in § 3, do not present significant mobility in the soil.
12.5	PVB, vPvB substances	None of the substances present in the product is subject to the criteria for PVB or vPvB substances (Annex VIII of the REACH Regulation)
12.6	Other informations	No other adverse effects are known

13 DISPOSAL CONSIDERATIONS

The information in this section contains instructions and general notes. The list of identified uses in section 1 for specific information available

	mornator available			
13.1	Waste treatment methods	Product The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by- products should at all times comply with the law on environmental protection and waste disposal legislation and the requirements of any relevant local authorities. Dispose of surplus and non-recyclable products via a licensed waste disposal. The untreated waste should not be disposed of in the sewer system unless they are not fully compliant with the requirements of each institution and legislation. Hazardous waste: YES (depending on the specific process and related materials) Packaging The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. Dispose of this material and its container must be with proper precautions. Empty containers or liners may retain some product residues. Prevent drift and runoff of spilled material and contact with soil, waterways, drains and sewers		
13.2	European waste catalogue (EWC)	For disposal within the EU is roughly from the code used by the sudden refusal to register the European Waste Catalogue (EWC)		





Previous edition: 12/06/2019 Date of issue: 21/12/2020 Revision: 7 Page 10 of 11

MATERIAL SAFETY INFORMATION SHEET

14	TRANSPORT INFORMATION	
14.1	UN number	Not applicable
14.2	Proper shipping name	Land transport, road and rail (ADR/RID): not applicable Transport by sea (IMDG): not applicable Air transport (ICAO-TI / IATA-DGR): not applicable
14.3	Transport hazard classes	Land transport (ADR/RID): Not regulated
		Trasport by sea (IMDG): Not regulated
		Air transport (ICAO-TI / IATA-DGR): Not regulated
14.4	Packing group	Not applicable
15.5	Environmental hazards	Land transport (ADR/RID): No Trasport by sea (IMDG): No Air transport (ICAO-TI / IATA-DGR): No
14.6	Special precautions for users	Transport within the user's properties: always transport with closed containers, stored vertically and secured to the means of transport. Check the suitability of the people carrying out the transport to intervene effectively in the event of an accident and/or spill
14.7	Transport in bulk according to Annex II of MARPOL 73/8 and the IBC Code	Not applicable

15	REGULATORY INFORMATION	
15.1	Reg. 1272/2008/EC	The product does not contain substances which can be classified as carcinogenic cat. 1 or 2 under Reg. 1272/2008/EC and later updates.
15.2	Reg. 1907/2006/EC (REACH)	The product conforms to the requirements provided for in Title II of Reg. 1907/2006/EC (registration of substances) The product does not contain SVHC substances included in the candidate list of ECHA on the date of issue of this sheet. Annex XVII to Regulation 1907/2006 / EC: none
15.3	OSHA STANDARDS FOR HAZARD LABELING 1910.1200	Applicable as abrasive article 1910:1290(C). Restrictions: none
15.4	Chemical safety assessment	For this product / article, consisting of mixtures classified as non-hazardous, chemical safety assessment has not been performed and is not applicable. All components present are used in accordance with the identified uses and the relevant and applicable scenarios (see also section 8.2)





Previous edition: 12/06/2019 Date of issue: 21/12/2020 Revision: 7 Page 11 of 11

MATERIAL SAFETY INFORMATION SHEET

16	OTHER INFORMATIONS	
16.1	Full text of H statements, sections 2 and 3 (Reg. 1272/2008/EC)	
16.2	Bibliographic references	ECDIN - Environmental Chemical Data and Information Network IUCLID - International Uniform Chemical Information Data Base ECHA C&L inventory NIOSH - Registry of Toxic Effects of Chemical Substances IFA_GESTIS - http://limitvalue.ifa.dguv.de/ TOXNET - https://toxnet.nlm.nih.gov/
16.3	Changes to previous version	This document was reviewed according to updated applicable Regulations
16.4	Further informations	When applicable, the information herein is correct at OSHA standard, Reg 1272/2008/EC and following amendments. Product conforms to the requirements provided in Title II of Regulation 1907/2006/EC (the registration of substances). None of the substances in this product is subject to authorization (annex 14) or is included in the candidate list of SVHCs under the REACH Regulation, the issuance of this sheet
16.5	Disclaimer	This voluntary material MSDS was issued following applicable requirements of Reg 878/2020/EU. It does not excuse in any way the user from knowing and applying all texts governing his activity. The user will take under its responsibility the precautions related to the use of the product. The set of regulations mentioned is intended simply to help the recipient to fulfill her obligations. This list should not be considered as a technical note details. The information is based on our knowledge of the product, the date indicated. They are given in good faith. The attention of the user is directed to possible risks incurred when a product is used for other purposes than for which it was conceived. The recipient must ensure that no other obligations to compete on the basis of texts in addition to those mentioned