

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

1	CHEMICAL PRODUCT AND COMPANY IDENTIFICATION	
1.1	Product name	STWR_STRIP-IT RED WHEELS WITH HOLE
1.2	Description and use of the product	Abrasive material for mechanical industry. Industrial and professional use. Do not use for other purposes
1.3	Company name	BIBIELLE S.p.A. a Socio Unico
	Address	Via Cuneo, 35 - 12040 Margarita (CN), Italy
	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 <ul style="list-style-type: none"> • 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

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2	HAZARDS IDENTIFICATION						
	<p>GHS Symbols and hazard labelling according to Reg. 1272/2008/EC</p> <div data-bbox="635 524 1038 943"> </div>						
2.1	<p>PREAMBLE. GLASSFIBER DISCS STRIP-IT ARE ABRASIVE ARTICLES. IT IS NOT A CHEMICAL MIXTURE, ACCORDING TO DEFINITIONS OF OSHA STANDARDS FOR HAZARD LABELING 1910.1200 AND ACCORDING TO REG. 1272/2008/UE.</p> <p>"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</p> <p>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</p> <p>HAZARDS CLASSIFICATION ACCORDING TO OSHA AND TO GHS CRITERIA OF CHEMICALS ARE NOT DIRECTLY APPLICABLE TO THIS ABRASIVE ARTICLE</p> <p>NO GHS PICTOGRAMS AND NO GHS HAZARD STATEMENTS ARE APPLICABLE TO THIS ABRASIVE ARTICLE</p> <p>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)</p> <p>NOT HAZARDOUS not directly applicable to abrasive articles</p> <p>NO GHS PICTOGRAM not directly applicable to abrasive articles</p>						
2.2	<p>Label elements</p> <p>NOT HAZARDOUS, NO GHS PICTOGRAM not directly applicable to abrasive articles</p> <table> <tr> <td>Substances to be indicated on the label</td><td>Not applicable</td></tr> </table> <p>Hazard statements not directly applicable to abrasive articles</p> <p>No hazard statements</p> <p>Precautionary statements not directly applicable to abrasive articles</p> <table> <tr> <td>P 260</td><td>Do not breathe dust</td></tr> <tr> <td>P 280</td><td>Wear protective gloves/eye/face protection</td></tr> </table>	Substances to be indicated on the label	Not applicable	P 260	Do not breathe dust	P 280	Wear protective gloves/eye/face protection
Substances to be indicated on the label	Not applicable						
P 260	Do not breathe dust						
P 280	Wear protective gloves/eye/face protection						
2.3	Other hazards						

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

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 product / article consists of abrasive powders supported on an inert matrix consisting of a Nylon support (polyamide 6,6) and a polymeric adhesive film. The support also contains a plate with glass fiber mesh layers bonded by an inert polymeric film

Abrasive material supported and binded

Matrix	Substance**	Hazard pictogram	Hazard classification	CAS N.	EC N.
		Reg. EC 1272/2008	Reg. EC 1272/2008		
Abrasive powders	Corundum/Aluminium oxide* Al ₂ O ₃ Reach reg. N.: 01-2119529248-35-xxxx	---	---	1344-28-1	215-691-6
		TSCA 8(b) inventory	Listed		
		RTECS	BD1200000		

Structural support

Matrix	Structural component	Hazard pictogram	Hazard classification
Support	Nylon (poliamide 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

4 FIRST AID MEASURES

Premise

The following recommendations are basic rules when using the abrasives applied and must be supplemented by information 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		
4.1	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.
	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

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	Most important symptoms and effects, 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 flame retardant (EN469), flame retardant gloves (EN 659) and fire brigade boots (HO A29 or A30)
6	ACCIDENTAL RELEASE MEASURES	
	Personal precautions, protective equipment and procedures in case of emergency	
6.1	Person-related safety precautions	Not applicable for this abrasive article as such
	Measures for environmental protection	
	Additional informations	
	Methods and materials for containment and cleaning	
6.2	Measures for cleaning/collecting (small spill)	Not applicable for this abrasive article as such
	Measures for cleaning/collecting (large spill)	
	Reference to other sections	
6.3	Emergency telephone numbers	See section 1
	Protection devices individual.	See section 8
	Waste treatment	See section 13

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7		HANDLING AND STORAGE				
7.1	Handling	<p>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.</p> <p>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.</p> <p>Do not smoke, drink or eat during use. Provide near waterpoints.</p> <div></div>				
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				
8		EXPOSURE CONTROLS / PERSONAL PROTECTION				
8.1	Control parameters					
	Exposure limit values (IFA_GESTIS - http://limitvalue.ifa.dguv.de/)	Component	USA OSHA 2020 TWA [mg/m ³]		GERMANY DFG 2020 TWA [mg/m ³]	
			Inhalable fraction	Respirable fraction	Inhalable fraction	Respirable fraction
		Corundum [Al ₂ O ₃]	15	5	4	1,5
	Not classified dust	10 mg/m ³ inhalable fraction (TWA 8 hours, ACGIH 2020) 3 mg/m ³ respirable fraction (TWA 8 hours, ACGIH 2020)				
Hygiene and personal protective measures	<p>For the handling and storage of abrasive material as such, no specific precautionary technical measures are required.</p> <p>During operation, refer to the operating instructions of the operating machines and the National Regulations and carefully observe the maximum operating speeds indicated. When using in mechanical machining, use a localized suction system according to the material being machined; It is preferable to have availability near an eye fountain.</p> <div></div>					
8.2	Exposure control (depending also on the specific abrasion process method and related materials)					
	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)				
	Hands protection	Leather or PVC working gloves (EN 374)				

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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.

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 applicable for the abrasive product
Melting temperature	Not applicable for the abrasive product
9.1 Boiling temperature	Not applicable 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
9.2 Other informations	
VOC (Directive 2010/75/EC)	< 0,1%
VOC (volatile carbon)	< 0,1%

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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	
11	TOXICOLOGICAL INFORMATION		
11.1	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)
	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	
	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. Dust and fibers 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	
	11.2	CMR properties	
Carcinogenicity		Studies on workers with chronic exposure to the components of the abrasive product did not show carcinogenic effects for any of the components	
Mutagenicity		In vitro and in vivo studies carried out on the components indicate that none of the substances present in 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		
	No other informations are available		

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12	ECOLOGICAL INFORMATION	
12.1	Ecotoxicity	<p>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.</p> <p>ACUTE ECOTOXICITY</p> <p>Al₂O₃ (Corundum): > 100 mg/l – 96 h, salmo trutta > 100 mg/l – 48 h, daphnia magna</p> <p>CHRONIC ECOTOXICITY</p> <p>No data on chronic ecotoxicity are available for the ingredients of the product</p>
12.2	Elimination information (persistence and degradability)	<p>No information is available for this product.</p> <p>The abrasive components present are inorganic and are not biodegradable in water and soil</p>
12.4	Mobility in soil	<p>No information is available for the product.</p> <p>The substances present in the product, mentioned in § 3, do not present significant mobility in the soil.</p>
12.5	PVB, vPvB substances	<p>None of the substances present in the product is subject to the criteria for PVB or vPvB substances (Annex VIII of the REACH Regulation)</p>
12.6	Other informations	<p>No other adverse effects are known</p>

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

13.1	Waste treatment methods	<p>Product</p> <p>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.</p> <p>Hazardous waste: YES (depending on the specific process and related materials)</p> <p>Packaging</p> <p>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.</p> <p>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</p>
13.2	European waste catalogue (EWC)	<p>For disposal within the EU is roughly from the code used by the sudden refusal to register the European Waste Catalogue (EWC)</p>

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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
		Transport 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 Transport 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)

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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/
16.3	Changes to previous version	TOXNET - https://toxnet.nlm.nih.gov/
		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