



SAFETY DATA SHEET

According to GHS – GLOBAL HARMONISED SYSTEM Reg. EC 1907/2006 and to Reg. EU 453/2010

1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION			
Product name Shark Industries - SURFACE CONDITIONING MATE			
Use of the product	Abrasive material for mechanical industry		
Company name:	Shark Industries		
Address:	6700 Bleck Drive, Rockford, MN 55373		
Telephone number:	800-537-4275		
Fax number:	763-565-1901		
E-mail	info@sharkind.com		
Emergency phone number:	800-537-4275		

2 HAZARDS IDENTIFICATION	
Classification	The product is classified not hazardous according to Reg. EC 1272/2008
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

3 **COMPOSITION / INFORMATION ON INGREDIENTS**

Material is composed of abrasive powders supported on a structure of plastic or cotton or polyester tissue binded by a polymeric binder

Abrasive material

Matrix	Substance	Hazard symbol	Hazard classification	RTECS	CAS N.	EC N.	% by weight* [*]
Corundum* (Al ₂ O ₃) Abrasive			BD1200000	1344-28-1	215-691-6		
	TSCA 8(b) inventory		Listed			100	
powders	powders Silicon carbide (SiC)			VW0450000	409-21-2	206-991-8	100
Silicon carbide (SIC)	TSCA	8(b) inventory		Listed			

Structural support

Matrix	Structural component	Risk symbol	Classification
Support	Plastic tissue		
Support -	Cotton/polyester tissue		
Binder Inert polymeric binder film			

^{*:} Corundum is a natural form of aluminium oxide; it contains small impurities of iron, magnesium and silica
**: any differences on abrasive powder composition (% by weight) does not modify hazard classification of material according to reference Regulation



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4 FIRST AID MEASURES	3
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 negative effects in case of swallowing. Drink water and seek immediate medical advice, showing this MSDS
5 FIRE FIGHTING MEAS	URES
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 RELEAS	SE MEASURES
	- ···-·
Person-related safety precaut	
Person-related safety precaut Measures for environmental protection	
Measures for environmental	Not applicable to the article
Measures for environmental protection Measures for cleaning/collect	Not applicable to the article
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Measures for environmental protection Measures for cleaning/collect 7 HANDLING AND STOR	Not applicable to the article ing RAGE Avoid direct contact using recommended handling safety equipment (see § 8).
Measures for environmental protection Measures for cleaning/collect 7 HANDLING AND STOR Handling Storage	Not applicable to the article ing RAGE Avoid direct contact using recommended handling safety equipment (see § 8). According to normal use conditions, product does not contain volatile components Keep in cool, dry, ventilated storage in closed original containers. Do not drinking
Measures for environmental protection Measures for cleaning/collect 7 HANDLING AND STOR Handling Storage	Not applicable to the article RAGE Avoid direct contact using recommended handling safety equipment (see § 8). According to normal use conditions, product does not contain volatile components Keep in cool, dry, ventilated storage in closed original containers. Do not drinking or eating near the storage place
Measures for environmental protection Measures for cleaning/collect 7 HANDLING AND STOR Handling Storage	Not applicable to the article RAGE Avoid direct contact using recommended handling safety equipment (see § 8). According to normal use conditions, product does not contain volatile components Keep in cool, dry, ventilated storage in closed original containers. Do not drinking or eating near the storage place S/PERSONAL PROTECTION
Measures for environmental protection Measures for cleaning/collect 7 HANDLING AND STOR Handling Storage 8 EXPOSURE CONTROL	Not applicable to the article Avoid direct contact using recommended handling safety equipment (see § 8). According to normal use conditions, product does not contain volatile components Keep in cool, dry, ventilated storage in closed original containers. Do not drinking or eating near the storage place S/PERSONAL PROTECTION 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. 1272/2008/EC



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			OSHA 2014 TWA [mg/m³]		ACGIH 2014 TWA [mg/m³]		
	Substance	Total	Respirable fraction	Inhalable fraction	Respirable fraction		
Exposure limit values	Silicon carbide	15	5	10	3		
	Corundum [Al ₂ O ₃]	15	5				
	Particles not otherwise classified						
Respiratory protection	In case of brief exposure	In case of brief exposure use respiratory filter device					
Eyes protection	Safety goggles or face shield						
Hands protection	Protective gloves for chemical products, according to standard EN374; materials for long contact time						
Skin protection	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	Odourless	
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℃	Not soluble	
Volatile organic chemicals (VOC)	No volatile chemicals (VOC) are present at detectable level	
Partition coefficient n-octanol/water	n.a.	

Date of issue: 24/10/2014



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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°C can produce dangerous vapours as carbon dioxide, carbon oxide and nitrogen oxides		

11 TOXICOLOGICAL INFORMAT	IONS	
Material is inert on structural matrix. D	ata are referring to used abrasive components	
Carcinogenic effects	n.a.	
Mutagenic effects	n.a.	
Acute toxicity	Al_2O_3 (Corundum): > 5000 mg/Kg - DL50, oral rat (IUCLID Data Sheet, Europear Chemical Bureau)	
•	SiC (Silicon Carbide): no available data	
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	Al ₂ O ₃ (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	n.a.		
Biopersistency	n.a.		
Biodegradability	n.a.		
Potential of bioaccumulation	n.a.		

13 DISPOSAL CONSIDERATIONS

Recovery if possible.

Disposal recommendation Waste and uncleaned packages must be disposed of in accordance with state

and local environmental regulations.

14 TRANSPORT INFORMATION

ONU number: n.a.

Transport classification and

regulation

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 INFORMA	TION			
GHS Hazard labeling symbols		None		
UE Hazard labeling symbols			None	
U.S.A. OSHA labeling symbols			None	
CANADA WHIMIS labeling symbol	s		None	
GHS hazard statements			None	
UE hazard statements			None	
U.S.A OSHA hazard statements			None	
CANADA WHIMIS hazard stateme	ents		None	
Precautionary statements		S 22	Do not breathe dust	
(Dir. EC 67/548)	S 39		Wear eye/face protection	
Precautionary statements	P 260		Do not breathe dust	
(Reg. EC 1272/2008)	P 280		Wear protective gloves/eye/face protection	
			roduct are listed or are excluded from listing on the U.S. Toxic Chemical Substance Inventory (see section 3)	
	mixtu	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)		
Other regulation references	Product does not contains detectable amounts of:			
3	substances classified carcinogenic cat. I or cat. 2		d carcinogenic cat. I or cat. 2	
	SU	substances included in the ECHA Candidate list of SVHC		
	SU	substances included in the Reach annex 14 (authorization)		
		No restriction are applicable according to UE Reach Regulation (Annex 17 and following amendments)		

6 OTHER INFORMATIONS				
GHS Hazard statements (full text) (§ 3)	None			
Further informations and references	Informations are updated to: GHS "Globally Harmonized System of Classification and Labelling of Chemicals, United Nations, 1 st 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, 2014 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			



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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

DISCLAIMER

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