

• Format by FEPA as per EC Directive 91/155/CEE and ISO-Standard 11014 -					
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Quality Position:					
	protect the operators. being machined, and fo given to the nature of the installed. TIFICATION de Burrs FORMATION OF ING	During the machining op or wet grinding, from aero ne part and of the fluid ar	eration 90% or more psols generated by the	of the particulates of the grinding fluid. Specific	
Solid Carbide – SF1			1	-	
Substance	CAS No.	EINECS No.	% Weight	Classification	
Wolfram Carbide	12070-12-1	235-123-0	89		
Cobalt (Co)	7440-48-4	231-158-0	9.8		
PaC			1		
Others			0.2		
Brazed Head – YG8					
Substance	CAS No.	EINECS No.	% Weight	Classification	
Wolfram Carbide	12070-12-1	235-123-0	92		
Cobalt (Co)	7440-48-4	231-158-0	8		
Shank – Stainless S	teel				
Substance	CAS No.	EINECS No.	% Weight	Classification	
Carbon	7440-44-0	231-153-3	0.10		
Silicon	7740-21-3	231-130-8	0.66		
Manganese	7439-96-5	231-105-1	0.30		
Phosphorus	7723-14-0	231-768-7	0.026		
Sulfur	7704-34-9	231-722-9	0.007		
Chromium	7740-47-3	231-157-5	11.72		
Nickel	7740-02-0	231-111-4	0.08		
3. HAZARDS IDENTI	FICATION				
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4.	FIRST AID MEASURES				
	APPLICABLE WHEN PRODUCTS ARE IN USE ON MACHINES				
	The following recommendations are basic rules during a cutting operation; they must be followed in conjunction with the information appearing in the Safety data sheets of the material being machined and of the cutting fluid when used.				
	- Dust inhalation Remove from exposure, seek medical service if symptoms pe	rsist:			
	- Eye: Remove from exposure and flush with clean water. If syn persist seek medical advice.	ptoms			
	- Skin: If irritation are rash appears seek medical advise.				
	- Ingestion: Reports outside the industry suggest that ingestion of signamounts of cobalt has the potential for causing blood, heart and other organ proble If substantial quantities are swallowed: dilute with a large amount of water an medical attention.	ems.			
5.	FIRE FIGHTING MEASURES				
0.	None Specific				
	Water, Powder, Foam, Sand, Co <sub>2</sub> , etc can be used if compatible with operating condition. Use full protective clothing and a positive pressure self contained breathing apparatus.	าร			
6.	ACCIDENTAL RELEASE MEASURES Not Applicable				
7.	HANDLING AND STORAGE				
	The following recommendations should be followed to prevent damage to products which may create a risk of rupture when in use.				
	- Handle and store with care.				
	- Store at moderate temperature and humidity.				
8.	EXPOSURE CONTROL/PERSONAL PROTECTION				
	NOT APPLICABLE WHEN PRODUCTS ARE HANDLED OR STORED.				
	When using products, refer to the machines instructions and to the rules to prevent act in the work place.	cidents			
	For safe use of products refer to the FEPA SAFETY CODE and LEAFLETS and n regulations.	ational			
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8.1	The following personal prote the material being cut.	The following personal protective equipment should be used dependent on the operation and the material being cut.			
	<ul> <li>Eye protection:</li> <li>Dust protection:</li> <li>Hand protection:</li> <li>Ears protection:</li> <li>Skin protection:</li> </ul>	Machine guarding and safety goggles or face shield Use of dust mask Use of barrier cream or protective gloves Use of ear muffs or equivalent Use of suitable protective clothing			
8.2	Hygiene measures:	No specific requirements			
9.	PHYSICAL AND CHEMICA	PHYSICAL AND CHEMICAL PROPERTIES			
9.1	Physical state:	Solid			
9.2	Colour:	Silver / Grey Metallic			
9.3	Odour:	Not Applicable			
9.4	pH:	Not Applicable			
9.5	Change of physical state:	Not Applicable			
9.6	Density:	14.48g/cm			
9.7	Bulk Density	Not Applicable			
9.8	Vapour pressure:	Not Applicable			
9.9	Flash point:	Not Applicable			
9.10	Explosion properties:	Not Applicable			
9.11	Viscosity:	Not Applicable			
9.12	Solubility in water:	Insoluble			
10.	STABILITY AND REACTIVI Stable and non reactive whe				
10.1	Conditions to avoid. Excess	Conditions to avoid. Excessive heat or humidity. Inappropriate use may cause rupture			
10.2	mechan	cids, Strong bases. Strong oxidising agents may modify the ical characteristics of the products and create safety hazards sed on machines,			
10.3	Hazardous decomposition p -	roducts: If used in accordance with instructions no hazardous decomposition products are created.			
10.4	Other indications: Not App	licable			
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NOT APPLICABLE WHEN HANDLED OR STORED. These products when properly used have no adverse effect on health. Refer to the preliminary note about dust and aerosols of cutting fluids.				
ECOLOGICAL INFORMATION				
Mobility: Not Applicable				
Persistence and degradability: Not Applicable				
Bio accumulative potential: Not Applicable				
Ecotoxicity: Not Applicable				
DISPOSAL CONSIDERATIONS				
After use the product may be contaminated with hazardous materials (particles of material cu or cooling agents) and should be disposed of in accordance with national and loca regulations.				
TRANSPORT				
These are not dangerous products and no specific regulations for any type of transportation are required. Protect from rain and excessive temperature and humidity.				
No special precautions necessary other than to insure that no damage to the product occurs.				
REGULATORY INFORMATION				
EC Regulations: NONE, no specific marking required under EC directive N $^{\circ}$ 88/379				
National or Local Regulations: Refer to relevant texts.				
OTHER INFORMATION The information contained in this Material Safety Data Sheet is based on the existing practice and do not constitute a guarantee. The laws and regulations must be strictly followed by the users who remain responsible for the use of the product.				