

**MATERIAL SAFETY DATA SHEET**  
Versacut GH / Versacut GS - Wire

Product Name	Versacut GH / Versacut GS - Wire (Made in Germany)	Part No	- XX (size) -XXX (Weight)
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SECTION 1 : PRODUCT INFORMATION					
WHMIS CLASSIFICATION	NOT CLASSIFIED		EMERGENCY NUMBER		
METALLIC FAMILY	MODIFIED CDA 274 ISO/DIN CuZn 37 UNS: C 27000, Yellow Brass				
T.D.G. CLASSIFICATION			MATERIAL USAGE	Electrical Discharge Machining	
NFPA CLASSIFICATION			HAZARD RATING		
HEALTH	N/A	FIRE	N/A	LEAST = 0	SLIGHT = 1
REACTIVITY	N/A	(SEE TABLE AT RIGHT)		MODERATE = 2	HIGH = 3 EXTREME = 4

SECTION 2 : HAZARDOUS INGREDIENTS		
INGREDIENTS	APPROX CONC. %	EXPOSURE LIMITS
Cu	63 % Nominal Variance	Fume max 0.2 mg/m3 Dust / Mist max 5.0mg/m3
Zn	37 % Nominal Variance	Oxide Fume max 0.2 mg/m3
Residues of cooling lubricants	< 0.1 %vol	1000 mg/m3 (for lubricant concentrate) Remark: With correct use of wire exposure is uncritical.

SECTION 3 : PHYSICAL DATA			
PHYSICAL STATE	Solid Wire 0.10 to 0.33 mm	EVAPORATION RATE	N/A
ODOR / APPEARANCE	grey-gold	BOILING PT EC (EF)	1,100 C
ODOR THRESHOLD	N/A	MELTING PT EC (EF)	910
VAPOR PRESSURE	Zn Room Temp. < 1.10-4 mm/Hg. Zn: 257% C = 1.2 - 10-4	pH	N/A
VAPOR DENSITY (AIR = 1)	N/A	SPECIFIC GRAVITY	8.4 (H <sub>2</sub> O = 1)
% VOLATILE, BY VOLUME	N/A	SOLUBILITY IN WATER	Negligible (<<0.1%)

SECTION 4 : FIRE & EXPLOSIVE DATA			
FLASH POINT EC (EF) METHOD	NONE	UPPER EXPLOSION LIMIT	N/A
AUTO IGNITION TEMPERATURE	N/A	LOWER EXPLOSION LIMIT	N/A
GENERAL HAZARDS	N/A	FIRE FIGHTING	N/A
HAZARDOUS COMBUSTION PRODUCTS	N/A	EXTINGUISHING MEDIA	N/A

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SECTION 5 : REACTIVITY DATA			
STABILITY	STABLE		
INCOMPATIBLE MATERIALS & CONDITIONS TO AVOID	NONE		HAZARDOUS DECOMPOSITION WILL NOT OCCUR

SECTION 6 : TOXICOLOGY PROPERTIES			
INHALATION	N/A		
EYE CONTACT	N/A		
SKIN CONTACT	N/A		
INGESTION	N/A		OCCUPATIONAL EXPOSURE LIMITS N/A
ACUTE TOXICITY DATA	N/A		

SECTION 7 : PREVENTATIVE & CORRECTIVE MEASURES			
GLOVES & FOOTWEAR	N/A		RESPIRATORY (SPECIFY) N/A
EYE (SPECIFY)	N/A		CLOTHING (SPECIFY) N/A
ENGINEERING CONTROLS (E.G. VENTILATION, ENCLOSED PROCESS SPECIFY)	N/A		
LEAK AND SPILL PROCEEDURES	N/A		
WASTE DISPOSAL	100 % RECYCLABLE		
HANDLING PROCEDURES AND EQUIPMENT	Store on edges (not on ends!) to prevent wire from damage		
STORAGE EQUIPMENT	Store in dry area, to prevent oxidation occurring to wire, from exposure to unnecessary moisture or other liquids, prior to usage.		

SECTION 8 : FIRST AID MEASURES			
SKIN	N/A		EYE: N/A
INHALATION	N/A		INGESTION N/A

SECTION 9 : PREPARATION DATA OF M.S.D.S.			
DATE	November 12, 2009		PREPARED BY: Dr. T. Nöthe
			QUALITY DEPT. Berkenhoff GmbH

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