HAZARDOUS INGREDIENTS MATERIAL SAFETY DATA SHEET

FILLER METALS AND WELDING RODS

APPROVED BY U.S. DEPARTMENT OF LABOR "ESSENTIALLY SIMILAR" TO FORM LSB-OOS-4

SECTION I	REV:January 7 th , 2003
MANUFACTURER'S NAME: GYTGÖLS BRUKS AKTIEBOLAG	PHONE NO: +46 122 43040
ADDRESS (Number, Street, City, State and ZIP code): S-610 11 GRYTGÖL	SWEDEN
TRADE NAME: WELDMARK GB 74	
AWS CLASSIFICATION: A5. 18 Class ER 70S-6	

SECTION II HAZARDOUS INGREDIENTS

COVERING OR FLUX	WT, %	TLV	OTHER	WT.%	TLV (1)
		(UNITS)			(UNITS)
			Iron	97,5	5 mg/m ³ 2)
			Manganese	1,40	1 mg/m ³ 2)
				1,60	
			Silicon	0,80	$10 \text{ mg/m}^3 3$
				1,00	
			Copper	0,10	$0.1 \text{ mg/m}^3 2$
			Copper	0,10	1,0 mg/m ³ 4)
1) OSHA -American Conferense	e of Governmental I	ndustrial Hygieni	sts 1989-90 ed.		

- 2) As oxide fume
- 3) Nuisiance 10 mg/m³ of total dust
- 4) As dust

SECTION III PHYSICAL DATA

Not Applicable

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Welding arc and sparks can ignite combustible products.

SECTION V HEALTH HAZARD DATA September 15,1989

EFFECTS OF OVEREXPOSURE: Short term overexposure to welding fumes may result in dizziness, nausea or dryness or
irritation of nose, throat or eyes.
EMERGENCY AND FIRST AID PROCEDURES: Remove to fresh air. Obtain medical attention.

SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE			CONDITIONS TO AVOID
	STABLE		X	
INCOMPATABILITY (Material to avoid)				
HAZARDOUS DECOMPOSITION PRODUCTS:				
HAZARDOUSE POLYMERIZA'	TION	None		

SECTION VII SPILL OR LEAK PROCEDURES

Not Applicable

SECTION VIII SPECIAL PROTECTION INFORMATION (SEE NOTE)

RESPIRATORY PROTECTION (SPECIFY TYPE) Not generally required or in open well ventilated areas. Use weld fume respirator or air supplied respirator when welding in confined space where local exhaust and/or ventilation does not keep exposure below TLV:s 1)

exposure below 1L v:s 1)	
VENTILATION	LOCAL EXHAUST: Desirable in semi-open areas to help keep exposures below TLV:s 1)
	MECHANICAL (General): Essential in all areas where natural ventialtion is not sufficient to keep
	exposures below TLV:s 1)
EYE PROTECTION:	Wear welding helmet with eye protection lens shade 10 or darker.
PROTECTIVE GLOVES:	Welder's Protective Gloves
OTHER PROTECTIVE EOU	JIPMENT: Welder's leather protective aprons, leggings, booots, shoulder covers, hard hats, screens

low reflectivity walls or booths.

SECTION IX SPECIAL PRECAUTIONS

Weld in well ventilated area. Avoid inhalation of welding fumes

OTHER PRECAUTIONS: For additional safety information on welding and cutting, see American National Standards Z49.1-1973, Safety in Welding and Cutting, and the Welding Handbook, Vol.1, Chapter 9, Safe Practices in Welding and Cutting. Both avilable from 2501 N.W. 7th street, Miami, FL 33125

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