LAWITEX	Material Safety Data Sheet	Page 1
Welding technology	For welding consumables and related products Conforms to Workplace Hazardous Materials Information System (WHIMS) Rev. Nov. 1988 May be used to comply with Osha's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements. Maybe used to comply with Council Directive 2006/121/EC relating to the classification, packaging and labelling of dangerous substances. Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.	NFL111

		indicate triat.
1. 1.1	Product and Company Identification Product information Product type:	solid wire electrode, high-alloyed
1.2	Product name:	NFL 111
1.2	Supplier:	LAWITEX GmbH Hitdorfer Str. 10 c
		40764 Langenfeld
2.	Composition/Information on Ingredients	
2.	Description:	This product contains of ≥ 1 weight
	Beschphon	-% chrome, iron and molybdenum.
	Risky ingredients:	
	CAS-Nr.	7440-47-3 7439-89-6 7439-98-7
	Type of Ingredient:	Cr Fe Molybdän 2,5-10% 50-100% 2,5-10%
	Ingredient [weight-%]: Danger icon	not listed not listed not listed
	Risk category:	not listed not listed not listed
3.	Hazards Identification	Different kinds of fume and dust occur during the welding and grinding process. Nickel oxides might occur, which are classified as carcinogenic. In addition irritant substances such as fluorides and manganese oxides as well as fine dusts (mostly iron oxides) occur.
4.	Emergency and first aid procedures	(mostly non-oxides) occur.
4.	Remove from dust of fume exposure. If breathing ha medical aid immediately.	s stopped perform artificial respiration. Summon
	Inhalation:	If breathing is difficult, provide fresh air and call physician.
	Skin contact:	For skin burns from arc radiation, see physician. Affected skin has to be washed carefully with soap.
	Eye contact:	For radiation burns due to arc flash, see physician. Under flowing water wash out the wide opened eyelid
	After swollow:	not listed
5.	Fire fighting measures	not usable, the product is neighter flammable nor explosive
	possible fire extinguishing:	not usable
6.	Accidental release measures	
	Release	not usable
7.	Handling and Storage	
7.1	Handling	
	Advise of precaution measures:	UVV (VBG 15) has to be follown
7.2	Storage Standarts for stockrooms/container:	spezial standarts for stockrooms/container

do not exist

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0	E C . 1 ID ID	4 4 *			
8.	Exposure Controls/Personal Protection				
8.1	additional advises		The measures under point		
0.0	for technical machines	1 4 7 7 1	7.1 has to be taken into consideration		
8.2	Components with working place related limit				
	Values which must be supervised				
	Identification of Substance	CAS-No.	limit value		
	chromium	7440-47-3	1,0 mg/m³ (TRK) total weight		
	molybdenum	7439-98-7	0,5 mg/m ³ (TRK) total weight		
	manganese oxide (Mn3O4)	1317-35-7	0,5 mg/m³ (TRK) total weight		
	fluorides	-	6 mg/m³ (TRK) total weight		
	ozone	10028-15-6	0,2 mg/m³ (TRK) total weight		
8.3	Personal safety equipment				
	Respiratory, hand, eye,		follow UVV (VBG 15) §27		
	Safety and hyhienic protection		in the workroom drinking or eating is not		
			allowed to		
9.	Physical and Chemical Propertie	es			
	manifestation:		solid wire electrode, high-alloyed		
1.0	safety relevant data:		not applicable		
10.	Stability and Reactivity		avoid contact with acids and bases Product is stable until 1200C.		
11.	Toxicological Information		follow point 3		
12.	Ecological Information:		Welding consumables and materials could degrade/weather into components originating from the consumables or from the materials used in the welding process. Avoid exposure to conditions that could lead to accumulation in soils or groundwater.		
13.	Disposal Considerations		Waste Disposal Method: Prevent waste from contaminating the surrounding environment. Discard any product, residue, disposable, container or liner in an environmentally acceptable manner, in full compliance with federal, state and local regualtions.		
14.	Transport Information		<u> </u>		
			No international regulations or restrictions		
			are applicable		
15.	Regulatory Information				
15.1	registration mark		not listed		
	registration letter		not listed		
	Danger icon		not listed		
	Risk category		not listed		
	Security category		not listed		



Welding technology

Material Safety Data Sheet

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15.2 **national regulations**

Advice of working restrictions Malfunction V:

classification about VbF: technical instructions AIR:

Danger grade of water: Other regulations: not usable not usable not usable 1 mg/m3, to a stream > 5 g/h not expected not announced

16. **Other information**

literature:

Unfallverhütungsvorschriften (VBG 15) Schweißen Schneiden und verwandte Verfahren DVS-Merkblatt 1201: Absaugung an Schweißarbeitsplätzen DVS-Faltblätter zum Arbeitsschutz beim Schweißen DVS-Fachbuch Unterweisung von Schweißern im Arbeitsschutz Kraume, Zober: Arbeitssicherheit und Gesundheitschutz in der Schweißtechnik

Hitdorfer Str. 10 c

www.lawitex.de