

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.

**1. Product and Company Identification****1.1 Product information****Product type:** solid wire electrode, high-alloyed**Product name:** **NFL 130 / 1.4718**

**1.2 Supplier:** LAWITEX GmbH  
 Hitdorfer Str. 10 c  
 40764 Langenfeld

**2. Composition/Information on Ingredients**

Description: This product contains of  $\geq 1$  weight-%  
 chrome, iron and silicium.

Risky ingredients:

CAS-Nr. 7440-47-3 7439-89-6

Type of Ingredient: Cr Fe

Ingredient [weight-%]: 2,5-10% 50-100%

Danger icon not listed not listed

Risk category: 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**

Remove from dust of fume exposure. If breathing has stopped perform artificial respiration. Summon medical aid immediately.

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 swallow: not listed

**5. Fire fighting measures**

not usable, the product is neither flammable nor explosive  
 not usable

possible fire extinguishing:

**6. Accidental release measures****Release** not usable**7. Handling and Storage****7.1 Handling**

Advise of precaution measures: UVV (VBG 15) has to be followed

**7.2 Storage**

Standards for stockrooms/container: special standards for stockrooms/container do not exist

**Material Safety Data Sheet**

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**8. Exposure Controls/Personal Protection**

8.1 **additional advises for technical machines** The measures under point 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/m <sup>3</sup> (TRK) total weight
manganese oxide (Mn3O4)	1317-35-7	0,5 mg/m <sup>3</sup> (TRK) total weight
fluorides	-	6 mg/m <sup>3</sup> (TRK) total weight
ozone	10028-15-6	0,2 mg/m <sup>3</sup> (TRK) total weight

**8.3 Personal safety equipment**

Respiratory, hand, eye,  
 Safety and hygienic protection

follow UVV (VBG 15) §27  
 in the workroom drinking or eating is not allowed to

**9. Physical and Chemical Properties**

manifestation: solid wire electrode, high-alloyed  
 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 regulations.

**14. Transport Information**

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

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**15.2 national regulations**

Advice of working restrictions

not usable

Malfunction V:

not usable

classification about VbF:

not usable

technical instructions AIR:

5 mg/m<sup>3</sup>, to a  
stream > 25 g/h

Danger grade of water:

not expected

Other regulations:

not announced

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**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 Gesundheitsschutz in der  
Schweißtechnik