

**Material Safety Data Sheet**

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 115**

**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 and iron.

Risky ingredients:  
CAS-Nr. 7439-89-6

Type of Ingredient: Fe  
Ingredient [weight-%]: 50-100%

Danger icon: not listed

Risk category: 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

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**8. Exposure Controls/Personal Protection****8.1 additional advises**

The measures under point

**for technical machines**

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**Manganese oxide (Mn<sub>3</sub>O<sub>4</sub>)

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,

follow UVV (VBG 15) §27

Safety and hygienic protection

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  
Malfunction V:  
classification about VbF:  
technical instructions AIR:

not usable  
not usable  
not usable  
1 mg/m<sup>3</sup>, to a  
stream > 5 g/h  
not expected  
not announced

Danger grade of water:  
Other regulations:

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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