

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 138 / 2.1211****1.2 Supplier:**LAWITEX GmbH
Hitdorfer Str. 10 c
40764 Langenfeld**2. Composition/Information on Ingredients**

Description:

This product contains of ≥ 1 Gew.
-% copper.

Risky ingredients:

CAS-Nr.

7440-50-8

Type of Ingredient:

Cu

Ingredient [weight-%]:

 ≥ 98 %

Danger icon

not listed

Risk category:

not listed

3. Hazards IdentificationDifferent 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 measuresnot 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**

copper

7440-50-8

1 mg/m³ (TRK) total weight

copper dust

7440-50-8

0,1 mg/m³ (TRK) total weightmanganese 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,

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 900 C.

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
5 mg/m³, to a
stream > 25 g/h
not expected
not announced

Danger grade of water:
Other regulations:

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