

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, high alloyed

Product name:**NFL 1.4430****1.2 Supplier:**

LAWITEX GmbH
 Hitdorfer Str. 10 c
 40764 Langenfeld

2. Composition/Information on Ingredients

Description:

Die Produkte enthalten Chrom, Eisen und
 Molybdän.

Risky ingredients:

CAS-Nr.

7440-47-3 7439-89-6 7439-98-7

Type of Ingredient:

Cr Fe Molybdän

Ingredient [Gew.-%]:

2,5-10% 50-100% 2,5-10%

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:

spezial 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**

chromium

7440-47-3

2,5-10%

iron

7439-89-6

50-100%

molybdenum

7439-98-7

2,5-10%

nickel - oxide

1313-99-1

0,5 mg/m³ (TRK) Gesamtst.manganese oxide (Mn₃O₄)

1317-35-7

0,5 mg/m³ (MAK) Gesamtst.

fluorides

-

6 mg/m³ (MAK)

ozone

10028-15-6

0,2 mg/m³ (MAK)**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, high alloyed

safety relevant data:

not applicable

10. Stability and Reactivityavoid 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 InformationNo 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:

1 mg/m³, bei einem

Massenstrom > 5 g/h

Danger grade of water:

not expected

Other regulations:

not announced