

1. Product and Company Identification**1.1 Product information****Product type:** solid wire electrode, high-alloyed**Product name:** **NFL 140 / 2.4155****1.2 Supplier:**LAWITEX GmbH
Hitdorfer Str. 10 c
40764 Langenfeld**2. Composition/Information on Ingredients****Description:** This product contains of ≥ 1 weight-%
nickel and titanium.**Risky ingredients:****CAS-Nr.** 7440-02-0**Type of Ingredient:** Ni**Ingredient [weight-%]:** ≥ 1 **Danger icon** Xⁿ**Risk category:** R 40/43**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**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:** Avoid humidity and temperature
Shocks. Keep separate from chemical
Substances like acids which could caus
Chemical reactions.**7.2 Storage****Standarts for stockrooms/container:** special standards for
stockrooms/container do not exist

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
Nickel	7440-02-0	0,5 mg/m ³ (TRK) total weight
Nickel-oxide	1313-99-1	0,5 mg/m ³ (TRK) total weight
Manganese (Mn ₃ O ₅)	1317-35-7	0,5 mg/m ³ (TRK) total weight
Fluorides	-	6,0 mg/m ³ (TRK) total weight
Ozone	10028-15-6	0,2 mg/m ³ (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, high alloyed
 safety relevant data: not applicable

10. Stability and Reactivity

avoid contact with acids and bases
 Product is stable until 1200 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

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.

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, to a
stream > 5 g/h

Danger grade of water:

not expected

Other regulations:

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 Gesundheitsschutz in der
Schweißtechnik