

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:**LAWI 12 M****1.2 Supplier:**

LAWITEX GmbH

Hitdorfer Str. 10 c

40764 Langenfeld

2. Composition/Information on Ingredients

Description:

This product contains of ≥ 1 Gew.
-% Nickel and < 1 Gew.-% Cobalt.

Risky ingredients:

This product contains no risky
Ingredients

CAS-Nr.

Nickel

7440-02-0

7439-89-6

Type of Ingredient:

Ni

Fe

Ingredient [Gew.-%]:

 ≥ 1

50-100%

Danger icon

Xn

not listed

Risk category:

R 40/43

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

possible fire extinguishing:

not usable

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**

Nickel

7440-02-0

0,5 mg/m³ (TRK)

Nickeloxid

1313-99-1

0,5 mg/m³ (TRK)

Manganese oxid (Mn304)

1317-35-7

1,0 mg/m³ (TRK)

Fluorides

-

6,0 mg/m³ (TRK)

Ozone

10028-15-6

0,2 mg/m³ (TRK)**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.**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 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:	1 mg/m ³ , by a mass power > 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