

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 41 Loy****1.2 Supplier:**

LAWITEX GmbH

Hitdorfer Str. 10 c

40764 Langenfeld

2. Composition/Information on Ingredients

Description:

This product contains nickel and copper

Risky ingredients:

This product contains no risky

Ingredients

CAS-Nr.

Cu

Ni

7440-50-8

7440-02-0

EINECS-Nr.:

2311596

2311114

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

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 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 |
|-----------------------------|------------|-----------------------------|
| Copper | 7440-50-8 | 1,0 mg/m ³ (TRK) |
| Copper dust | 7440-50-8 | 0,1 mg/m ³ (TRK) |
| Nickel | 7440-02-0 | 0,5 mg/m ³ (TRK) |
| Nickeloxide | 1313-99-1 | 0,5 mg/m ³ (TRK) |
| Manganese oxid (Mn304) | 1317-35-7 | 1,0 mg/m ³ (TRK) |
| Fluorides | - | 6,0 mg/m ³ (TRK) |
| Ozone | 10028-15-6 | 0,2 mg/m ³ (TRK) |

8.3 Personal safety equipment

Respiratory, hand, eye,
 Safety and hyhienic 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 900C°.

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