1. Product and Company Identification

1.1 Product information

Product type: solid wire electrode, high-alloyed

Product name: **NFL 120**

1.2 Supplier:

LAWITEX GmbH
Hitdorfer Str. 10 c
40764 Langenfeld

2. Composition/Information on Ingredients

Description: This product contains chrome, iron and molybdenum.

Risky ingredients:		
CAS-Nr.	7440-47-3	7439-89-6
Type of Ingredient:	Cr	Fe
Ingredient [weight-%]:	2,5-10%	50-100%
Danger icon	not listed	not listed
Risk category:	not listed	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 swollow: not listed

5. Fire fighting measures

not usable, the product is neighter 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 follown

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
chromium	7440-47-3	2,5-10% (TRK) total weight
iron	7439-89-6	50-100% (TRK) total weight
manganese 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 hyhienic 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 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

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 Gesundheitschutz in der Schweißtechnik