

**Materials Health, Safety and Environmental Data Sheet**  
(EG)1907/2006, (EG)1272/2008, (EG)453/2010

**1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY**

**1.1 Product identification**

Trade name: Lastifil 900  
Application: Solid welding wire for hard facing Welding

**1.2 Supplier/Manufacturer:**

Name: Lastek Belgium n.v.  
Address: Toekomstlaan 50 – B2200 Herentals  
Phone/Fax: phone: +32 14/22.57.67 fax.: +32 14/22.32.91 E-mail: [info@lastek.be](mailto:info@lastek.be)

**1.3 Telephone for emergency:** +32 14/22.57.67

**2. COMPOSITION AND INFORMATION ON INGREDIENTS**

The alloy contains: chromium, nickel, molybdenum, cobalt and iron

**3. RISKS**

The product self does not give hazardous risks but electric arc welding may create one or more of the following hazards:

Hazard statement

H332 Harmful if inhaled (welding fumes and vapours)  
H331 Toxic if inhaled (carbon monoxide / ozone)  
H335 May cause respiratory irritation  
H315 Causes skin irritation (UV- and IR-radiation, can cause skin irritation and hot slag can cause burns)  
H319 Causes serious eye irritation (UV / IR-radiation: heat can cause eye irritation,  
H242 Heating may cause a fire (spatter and sparks)

Safety advice

P260 Do not breathe dust/fume/gas/mist/vapours/spray  
P264 Wash.... thoroughly after handling  
P270 Do not eat, drink or smoke when using this product  
P271 Use only outdoors or in well-ventilated area  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P285 In case of inadequate ventilation wear respiratory protection.

Mechanical risk: wire ends can cause stab-wounds or cuts.  
Electric shock can kill

**4. FIRST AID MEASURES**

Inhalation : in excessive inhalation of fumes move the person to fresh air.  
Eye contact: na  
Skin contact: rinse with cold water on burning and seek appropriate medical  
Ingestion: na

**5. FIRE FIGHTING MEASURES**

Suitable extinguishing: product is not flammable. When tuning of fire extinguishers in the area  
Not to be used extinguishing media: na  
Special protective equipment for firefighters: na  
Hazardous decomposition products: none

**6. PRECAUTIONS TO BE TAKEN IN CASE MATERIAL IS RELEASED**

Personal precautions: na  
Environmental precautions: na  
Cleaning method: na

**7. HANDLING AND STORING**

Handling: smoke exhaust ventilation when welding, see section 8  
 Storage: heavy rollers must be stably stored to prevent risk of falling. Protect hands and feet.

**8. PROTECTION OF PERSONNEL**

Technical precautions: during welding the necessary precautions have to be taken: use enough and adequate general ventilation and a local exhaust to keep fumes and gases from the welders breathing zone and the general area. Wear suitable protection clothing. Train the welder to keep his head out of the fumes.

TLV-values: (Belgian list : Royal decree 19.05.2009 – 91/322/CE - 2000/39/CE - 2006/15/CE)

Limits:	(Belgian list KB 11.03.2002 - EEC 91/322)	CAS-No.	limit value
	Welding smoke		5 mg / m <sup>3</sup>
	Iron oxide smoke	1309-37-1	5 mg / m <sup>3</sup>
	Manganese and compounds	7439-96-5	0.2 mg / m <sup>3</sup>
	Chromium VI (solvable compound.)	7440-47-3	0.05 mg / m <sup>3</sup>
	Nickel (solvable compound.)	7440-02-0	0.1 mg / m <sup>3</sup>
	Cobalt	7440-48-4	0.5 mg / m <sup>3</sup>
	Molybdenum (soluble compounds)	7439-98-7	0.5 mg / m <sup>3</sup>

Personal protection:

respiration protect.: use respirable fume respirator or air supplied respirator when welding in confined space or general work area when local exhaust or ventilation does not keep exposure below TLV.

eyes: wear helmet or use hand shield with shaded filter lens. The choice of appropriate light filtration will be based on visual acuity and may vary widely from one individual to another, particularly under different current densities, materials and electrode diameter; suggested filter shade number for gas metal arc welding (MIG/MAG) is 10 to 13.

hands: wear protective welder's gloves to prevent injuries from radiation, sparks and electrical shock

skin: wear protective welding clothing as aprons, hats, shoulder protection, arm protectors to prevent injuries from radiation, sparks and electrical shock. Welder may not permit electrical live parts or electrodes to make contact with skin.

**9. PHYSICAL AND CHEMICAL DATA**

Physical form:	flux cored wire, solid	Explosion limits:	n.a.
Odour:	odourless	LEL (lower limit):	n.a.
Colour:	n.a.	UEL (upper limit):	n.a.
pH:	n.a.	Ignition point:	n.a.
Boiling point:	n.a.	Vapour pressure:	n.d.a.
Melting point:	about 1500 °C	Specific gravity:	7 - 8 g/cm <sup>3</sup>
Flash point (method):	n.a.	Solubility in H <sub>2</sub> O:	insoluble

**10. STABILITY AND REACTIVITY**

Stability: stable

Conditions to avoid: n.a.

To avoid substances: Avoid contact of the cored wire with acids or other corrosive substances or with oxidizing agents, nor any other chemical substance that a reaction may occur.

Hazardous decomposition products: welding wire that is no harmful fumes or smoke at normal ambient temperature.

Welding smoke generated during use (welding) containing chromium and nickel compounds (see Section 8)

**11. TOXICOLOGICAL INFORMATION**

Method of recording: inhaling welding smoke

Symptoms / effects: irritation of the respiratory tract, dizziness, headache and metallic fever can occur with excessive inhalation of welding smoke. Prolonged overexposure to welding smoke can cause lung disease and affect pulmonary function. Hexavalent chromium compounds are considered carcinogenic. This is based on non-welding work, showing a higher risk of lung and nasal cancer.

**12. ECOLOGICAL INFORMATION**

.Ferrous product; Do not dispose into the environment.

**13. DISPOSAL CONSIDERATIONS**

explanations: n.a. = not applicable      n.d. = not determined      n.d.a. = no data available  
 MSDSEN\_LF900\_220215\_WG/rev.1

Any residues should be disposed of as ordinary waste, scrap metal, in a manner in accordance with local regulations and with respect for the environment

#### 14. TRANSPORT INFORMATION

UN No:	na	IMDG:	na
ADR / RID:	na	IATA:	na

#### 15. HAZARD IDENTIFICATION

See text Section 3

H-phrases: H332 / H331 / H335 / H315 / H316 / H242

P-phrases: P260 / P264 / P270 / P271 / P280 / P285

#### 16. OTHER INFORMATION

This information only refers to the described product and is based on actual knowledge and experience known by us, because operating conditions are unknown to us and does not belong to our sphere of influence.

The product may not be used without written permission for a use other than mentioned in pt.1.

This information may not be taken nor as a guarantee nor as a quality indication of our product.

This material safety information describes the product in relation with safety rules and is not meant as a technical description.

At any time the user is responsible for taking the necessary precautions to fulfil all local laws and regulations

Naam: W. Goossens  
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