



STRUMENTI E FORNITURE PER I PROFESSIONISTI DELL'ARTIGIANATO, DELL'INDUSTRIA E DELL'AUTOMOTIVE.

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PRODUCT SAFETY DATA SHEET

316 STAINLESS STEEL WELDING WIRE

Code no. 402 00 09200-316-0.8

Code no. 402 00 09210-316-1

Code no. 402 00 09220-316-1.2

1. COMPANY AND PRODUCT IDENTIFICATION

PRODUCT NAME: 316 STAINLESS STEEL WELDING WIRE

PRODUCT TYPE: Welding wire.

SUPPLIER:

EMERGENCY TELEPHONE NO.: MECCANOCAR ITALIA S.R.L.
Capannoli (PI) 56033 Via S. Francesco 22
Tel.+39 0587 609433 (10 lines auto answer) - Fax

2. COMPOSITION/INFORMATION ON INGREDIENTS

The following parts are defined in compliance with section 2 (a-c) of Community Directive 93/112/EC and Annexes (TLV threshold limits in accordance with ACGIH, risk classification as per OJEC N. L314).

Wire Component	Maximum Weight	CAS#	TLV	Risk Class	
Iron			7439-89-6	5	NA
Manganese			7439-96-5	5	NA
Silicon			7440-21-3	10	NA
Nickel			7440-02-0	1	NA
Chrome			7440-47-3	0.5	NA
Molybdenum			7439-98-7	5	NA

3. HAZARDS

Avoid contact with eyes or breathing in any dust released by the product.

There is normally no risk from contact with skin but in any case, it should be avoided to prevent possible allergic reactions.

Occupational exposure limits: as stated in paragraph 2.

During welding, risks can arise from heat; splashes, molten metal and the arc can cause

burns or catch fire.

Radiation: the arc can seriously damage eyes and skin.

Shock: Electric shocks can kill.

Fumes: lengthy exposure to welding fumes can lead to symptoms such as: dizziness, nausea, irritation to nose, throat and eyes.

Chronic exposure can limit lung function.

4. FIRST AID MEASURES

Breathing: If difficult, move the casualty to fresh air and seek medical attention.

Eyes: Seek medical attention for arc burns.

Skin.: Seek medical attention for arc radiation burns.

5. FIRE FIGHTING MEASURES

No specific measures required for this product.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: see section 8.

Environmental precautions: see section 13.

Cleaning: see section 13.

7. HANDLING AND STORAGE

Handling: avoid exposure to welding fumes, radiations, splashes, electric shocks, materials at high temperature and dust. Do not swallow.

Handle with care to prevent cuts or scratches.

Storage: Store separately from chemical substances that could trigger chemical reactions.

8. EXPOSURE/PROTECTION (during use).

Engineering measures: Guarantee sufficient ventilation and air extraction in the arc area to keep the area in which the welder is breathing free from fumes and welding gas.

Keep the work area and protective equipment clean and dry.

Avoid all contact with uncovered electric parts and insulate all wiring.

Personal protective equipment: use breathing equipment when welding in closed spaces.

Always wear protective equipment on hands, head, eyes and body, such as: gloves, aprons, leg and arm shields for welding, helmet/mask and safety shoes.

Keep equipment clean and dry.

Refer to DPR 303/1956 and DPR 547/1955.

9. CHEMICAL AND PHYSICAL PROPERTIES

Appearance: metal wire, not volatile.

Odour: without specific odour.

Colour: variable.

Format: continuous wire, diameter from 0.8 to 1.6 mm

Density: 8 kg/dm³

Melting point: above 1,300° C:

10. STABILITY AND REACTIVITY

This product is for welding only.

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Stability: stable under normal conditions.

Reactivity: contact with chemical substances, such as acids can create gases.

Hazardous composition products include those created from the volatilisation, reaction or oxidation of the components listed in section 2 and of those from base metals.

Probable possible constituents of the fumes of this product are metal oxides, such as Fe and Mn. Gases include oxides of Nitrogen, Carbon and Ozone.

Please Note: For TLVs regarding fumes with limit values to be respected, please refer to the TLVs in section 2 and following:

Component	CAS	TLV (mg/m ³)
Ozone	10028-15-6	0.2

11. TOXICOLOGICAL INFORMATION

Breathing in welding fumes or gas can be harmful to health.

Acute toxicity: overexposure to welding fumes can lead to symptoms such as nausea, dizziness and dry and irritated nose, throat and eyes.

Acute toxicity: continued overexposure to welding fumes can limit lung function and overexposure to Manganese can cause problems to the nervous system.

12. ECOLOGICAL INFORMATION

The material could deteriorate over time or due to exposure to the elements on components originating from consumables and from materials in use during welding processes. Do not place it in conditions that could lead it to build up in the soil.

13. DISPOSAL

Dispose of all products, residues, containers or packaging in a suitable manner for the environment and in any case, in a manner that is fully compliant with national and local laws.

Follow recycling procedures if and where possible. Welding residues can deteriorate and build up in the soil.

14. TRANSPORT

No applicable Standards or restrictions.

15. REGULATIONS

Read and become familiar with the manufacturer's instructions concerning health and safety, to be found inside the packaging. Adhere to national and international regulations and standards.

When welding, always take the proper precautions to safeguard yourself and others.

Fumes and gas: can be harmful to health.

The electric arc can damage eyes and skin.

Electric shocks can kill.

Keep your head as far away from fumes as possible.

Use sufficient ventilation and prepare suitable fume extraction for the welder's breathing area. Use protective devices on eyes, head and body.

Never touch uncovered electrical parts.

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16. FURTHER INFORMATION

References: AMERICAN NATIONAL STANDARD Z49.12

"Safety in welding, cutting" published by AWS AMERICAN WELDING SOCIETY 550 N.W. Lejeune Road P.O. Box 351040 MIAMI, FL 33135 U.S.A.

ACGIH: Threshold Limit Values and Biological Exposure Indices 6500 Glenway. Ave., Cincinnati Ohio 45211 U.S.A.

Ministerial Decree 28-01-1992.

Law No. 256 del 29-05-1974.

Decree of the President of the Republic 547/1955.

Decree of the President of the Republic 303/1956.

Law No. 626 del 19-09-1994.

Information Sheet on fumes from I.I.S.

The information listed here is from qualified experts. The information in this document is up to date at the date given here above. Since the use of this information and conditions of use for the product are not under the control of our company, the user is responsible for identifying the conditions for the safe use of the product.

MECCANOCAR ITALIA S.R.L.

26/05/2015 RI. SVI.

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