

Material Safety Data Sheet



CEE91/155/EC-93/112/EC(OJEC N.L314)
ISO 11014-1:94(E)+ Legge 256/74 e DM28-1-92

Mig Welding Wire

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Mig Welding Wire C22500
Company: Force Products Ltd
Stock House, Seymour Road, Nuneaton, Warwickshire, CV11 4LB
Tel: 02476 322130 Fax: 02476 322151 Email: sales@forceproducts.co.uk
Suitable for: MIG MAG welding
Classifications: AWS A/SFA5.18:ER70S-6 DIN8559: SG2

2. COMPOSITION/INFORMATION ON INGREDIENTS

The following ingredients conform to Section 2(a-c) of European Community Regulations 93/112/ec and Enclosures(TVL limits to ACGIH, Classification of Hazards acc. To OJEC N.L314)

Substance	concentration(%)	CAS #	TVL mg/m3	R.PHRASE
Fe	97	7439-89-6	5	NA
Mn	2	7439-96-5	5	NA
Si	2	7440-21-3	10	NA
Cu*	2	7440-50-8	1	NA

*included copper coating

3. HAZARD IDENTIFICATION

EFFECTS OF OVEREXPOSURE:

Electric arc welding may create one or more of the following health hazards: Fumes and Gases can be dangerous to your health. Common entry is by inhalation. Short term (acute) overexposure to welding fumes may result in discomfort such as dizziness, nausea, or dryness or Irritation of nose, throat, or eyes.

Long Term (chronic) overexposure to welding fumes can lead to Siderosis (Iron Deposit in lung) and effect pulmonary function.

Arc rays can injure eyes and burn skin. Electric shock can kill.

4. FIRST AID MEASURES

Emergencies and First Aid procedures: Call for medical aid

Inhalation: Remove victim to fresh air if effects occur

Skin: Wash off with soap and plenty of water

Eyes: Irrigate with water for some minutes

Ingestion: Rinse mouth

5. FIRE FIGHTING MEASURES

Means of extinction: No danger requiring special measure.

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6. ACCIDENTAL RELEASE MEASURES

Environment protection precautions: No particular indication (see Section 13.)
Cleaning Measures: Remove damaged product mechanically. (see Section 13.)

7. HANDLING STORAGE

- 7.1 Handling: With standard transportation Equipment
- 7.2 Store in a dry place in closed packages.

8. EXPOSURE CONTROLS/PERSINAL PROTECTION

- 8.0 Keep Your Equipment always dry and clean ref: DPR 303/1956&547/1955
- 8.1 Technical Measures: Use adequate local exhaust for welding fumes. Avoid grinding dust inhalation.
- 8.2 Exposure limits: See Section 3
- 8.3 Personal Production:
 - Respiratory Protection: Use an air purifying dust respirator, when welding in confined space
 - Hands Protection: Wear appropriate gloves to prevent skin contact
 - Eyes Protection: Welding helmets/glasses
 - Skin Protection: Wear appropriate overalls to prevent skin or body contact

9. PHYSICAL & CHEMICAL PROPERTIES

Physical state: metallic wire, solid
Odour: none
Colour: variable
Shape: round wire
Relative density: 3kg/dm³
Melting point: >700°
Solubility: Insoluble in water

10. STABILITY & REACTIVITY

This product must be used only for welding

Stability: stable at environment temperature/pressure/humidity conditions.
Reactivity: materials to avoid: reacts with acids and generate gases.
Hazardous Decomposition Products: all products generated by volatilizatic reaction and Oxidation of the ingredients listed in the Section 2.
The most likely ingredients of the welding-fumes are oxides of metal, Fe and Mn, and some gases: N, C, O³

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Note: Limits Value of fumes are described in Section 2, see

Ingredient	CAS	TVL(mg/m3)
OZONE	10028-15-6	0.2

11. TOXICOLOGICAL INFORMATION

Effects of overexposure:	breathing welding fumes can be dangerous for your health.
Short Term (Acute) overexposure:	See Section 3
Long Term (chronic):	See Section 3, the overexposure to Mn could affect the nervous system
Toxicity to animals:	Not applicable
Local effects:	Not applicable
Ingestion:	Not applicable
Carcinogenicity:	Not applicable

12. ECOLOGICAL CONSIDERATION

The material could deteriorate on a long term storage and under the action of atmospheric agents, avoid storage which could result in percolation into the earth.

13. DISPOSAL CONSIDERATION

Products: for product elimination consult recycling companies or appropriate Local Authorities, in respect of Norms and Regulations of your Country / State (?).
Packing: May be disposed in approved landfills, provides Local Regulations are observed.

14. TRANSPORT

Land Shipment: no hazard(rail/route)
Sea Shipment: no hazard
Shipment by air: no hazard

15. REGULATIONS

Read and follow all instructions written on the packaging rel. to safety and health, in respect of Local Regulations.

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16. OTHER INFORMATION

Ref: AMERICAN NATIONAL STANDARA Z49.12

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

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

Ministerial Decree: 28-01-1992

Act: No. 256 of 26-05-1974

Decree of the President of Republic: 547-1955

Decree of the President of Republic: 303-1956

Order in Council: No.626 of 19-09-1994

Fumes Information Sheet of I.I.S.

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