



Material Safety Data Sheet

MIG WIRE

Page 1 of 2

IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

PRODUCT NAME: MIG WIRE
PART No : 845201
SUPPLIER Quest Consumables Ltd, Stock House, Seymour Road, Nuneaton, CV11 4LB
TELEPHONE +44 (0)24 76322126
FAX +44 (0)24 76322117
E-MAIL sales@firstserve.co.uk

PRODUCT WWS COPPER COATED MIG WELDING WIRES

PART NO.
VZ180607 - VZ181215L

GENERAL DESCRIPTION

Welding wires consist of solid alloy wire.

FIRE AND EXPLOSION DATA

Non flammable: however welding arcs and sparks can ignite flammable liquids and vapours and combustible solids.

HEALTH HAZARD INFORMATION

Welding fumes consist of various air borne substances (particulate or gaseous) which may create hazards to health if they are inhaled or swallowed. The degree of hazard to the welder depends upon the composition of the fumes, the concentration in the breathing zone and the time of exposure. The table below gives the chemical composition of the particulate fume evolved during the normal use of the wires by the GMAW/MIG process using ARGON as the shielding gas. The chemical analysis is expressed in weight per cent of the elements, using the Swedish fume box technique.

CONTROL MEASURE

RESPIRATORY MEASURES

Air supplied or fume respirator should be used if ventilation is insufficient.

VENTILATION

All as required to reduce fumes generated by each specific application below ACGIH TLV.

PROTECTIVE GLOVES

Welders gloves.

EYE PROTECTION

Face shield or welders helmet with an appropriate shaded filter lens.

OTHER PROTECTIVE EQUIPMENT

Footwear: for metal working. Clothing: dark; substantial aprons, etc.

PHYSICAL DATA

CAPACITY (NM 3/h) 5800
TEMPERATURE (GRADE) 25
TOTAL DUST (mg/Nm³) 1.12
IRON (Fe) (mg/Nm³) 0.31
COPPER (mg/Nm³) 0.02
MANGANESE (mg/Nm³) 0.05
NO₂ (mg/Nm³) 5



Material Safety Data Sheet

MIG WIRE

COATED MIG WELDING WIRES continued...												
The tests have been carried out on 14th May 1990 by Chelab institute according to the current Italian laws (D.P.R) 15.4.1971 N. 322. D.P.C.M. 28.3.1983 D.P.R. 24.5.1988 N.203												
ANALYSIS %												
CAS T	C	Mn	Si	S	P	Cr	Ni	V	Ti	Zr	Cu	Mo
4200	0.070	1.410	0.900	0.012	0.011						0.12	
4210	0.060	1.420	0.840	0.006	0.010						0.13	
4173	0.070	1.410	0.920	0.005	0.008						0.15	

DISCLAIMER OF LIABILITY The information in this MSDS was obtained from sources which we believe are reliable. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.