Material Safety Data Sheet
MIG WIRE

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

PRODUCT NAME: MIG WIRE
PART No : 845201
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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

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	

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