

Product Name	Bossweld Silicon Bronze MIG Wire
Part Number	200138, 200139, 200141, 200142
Issue Date	19.01.2016

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER: Bossweld Silicon Bronze MIG Wire
PRODUCT CODES: 200138, 200139, 200141, 200142
SYNONYMS: N/A
MANUFACTURER: Dynaweld Industrial Supplies Pty Ltd
ADDRESS: 5 Sheridan Close
Milperra NSW 2214
EMERGENCY PHONE: +61 2 9772 1144 (Mon-Fri 8am-5pm AEST) OR
Poisons Information Centre: 13 11 26
FAX PHONE: +61 2 9771 5375
Email: technical@dynaweld.com.au

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE:

SECTION 2: HAZARD(S) IDENTIFICATION

The product is harmless as it is, Dangers when used:

- A. UV and infrared radiation, heat and noise generated by the electric arc
- B. Fumes/Welding gases
- C. Electric shocks (welding systems)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Flux or other ingredients	CAS No.	Weight %
Copper (fume) (4)	7440-50-8	44-97
Zinc (oxide fume) (2,4)	7440-66-6	45.0
Iron	7439-86-6	1.5
Manganese (3,4)	7439-95-5	1.5
Nickel	7440-02-0	13.0
Silicon	7440-21-3	3.5
Boric Acid (1)	10043-35-3	7.0
Borax Glass, anhydrous (1)	1303-96-4	2.0
Acrylic Copolymer (non-haz)	None found	1.0
Residual Monomer (non regst)	None found	1.0
Tin	7440-31-5	1.0

Product Name	Bossweld Silicon Bronze MIG Wire
Part Number	200138, 200139, 200141, 200142
Issue Date	19.01.2016

SECTION 4: FIRST AID MEASURES

Area of Exposure	Type of Exposure	First Aid Measures
Eyes	arc glow and/or fumes	Dampen with fresh water
Skin	burns, erythema	Stop exposure
Respiratory tract	fumes inhalation	Bring the injured person to a ventilated place

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

Call for medical assistance. Use recommended first aid procedures. If breathing is difficult – give oxygen. If not breathing use CPR. Consult a physician if irritation of the eyes and skin or flash burns develops after exposure.

SECTION 5: FIRE-FIGHTING MEASURES

No specific direction.

When using the product, keep flammable materials away from the work area.

SUITABLE EXTINGUISHING EQUIPMENT: None

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: None but material may react with acids, bases or oxidizers, material does not represent a significant health hazard under normal handling and storage conditions.

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE FIGHTERS: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES:

Crushing of the product should be avoided.

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES: None

ENVIRONMENTAL PRECAUTIONS: None

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: None

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

High-density solid product; avoid storing in unstable positions; handle with care; protect your hands and feet.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES: None

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Product Name	Bossweld Silicon Bronze MIG Wire
Part Number	200138, 200139, 200141, 200142
Issue Date	19.01.2016

Fumes and welding gases are developed when using the product; operate in a sufficiently ventilated place and/or install fumes extractors on the welding area.

CAS-No.	Chemical Name	ACGIH TLV
7440-50-8	Copper (fume) (4)	0.2
7440-66-6	Zinc (oxide fume) (2,4)	5.0
7439-86-6	Iron	5.0
7439-95-5	Manganese	0.2
7440-02-0	Nickel	1.5
7440-21-3	Silicon	10
10043-35-3	Boric Acid	None found
1303-96-4	Borax Glass, anhydrous	1.0
None found	Acrylic Copolymer	None found
None found	Residual Monomer (non regst)	None found
7440-31-5	Tin	2.0

ENGINEERING CONTROLS: n.a

INDIVIDUAL PROTECTION MEASURES

Exposure Area	Protection Measure
Respiratory	Avoid inhaling fumes/gases; be sure there is enough ventilation and/or fumes extractors are available. Use respirable fumes respirator or air supplied respirator when welding in a confined space or general work area.
Eye	Wear a helmet or face shield. Shield other workers by providing screens and flash goggles
Skin	Cover exposed areas with appropriate clothing including arm protectors, apron, hats, shoulder protection as well as dark substantial clothing
Ear	Use ear protectors and/or ear plugs
Hand	Use welder's gloves, arm protectors
Thermal	Wear heat protective clothing

Product Name	Bossweld Silicon Bronze MIG Wire
Part Number	200138, 200139, 200141, 200142
Issue Date	19.01.2016

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Silver or yellow
ODOUR:	No odour
ODOUR THRESHOLD:	n.a
pH:	n.a
MELTING POINT/FREEZING POINT:	1600-1900F
INITIAL BOILING POINT AND BOILING RANGE:	760 mm
FLASH POINT:	n.a
EVAPORATION RATE:	n.a
FLAMMABILITY (solid, gas):	n.a
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	n.a
VAPOUR PRESSURE:	n.a
VAPOUR DENSITY:	n.a
RELATIVE DENSITY:	n.a
SOLUBILITY:	Insoluble in water
SPECIFIC GRAVITY:	20c/20C: 8.3-8.5 g/cc
PARTITION COEFFICIENT: N-OCTANOL/WATER:	n.a
AUTO-IGNITION TEMPERATURE:	n.a
DECOMPOSITION TEMPERATURE:	n.a
VISCOSITY:	n.a
SPECIFIC WEIGHT:	n.a

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY:	n.a
CHEMICAL STABILITY:	n.a
POSSIBILITY OF HAZARDOUS REACTIONS:	n.a
CONDITIONS TO AVOID:	n.a
INCOMPATIBLE MATERIALS:	n.a
HAZARDOUS DECOMPOSITION PRODUCTS:	n.a

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION:

The product is not toxic as it is; when in use, refer to Sections 2 and 8.
Prolonged operation causes chronic effects to eyes, ears and respiratory tract,

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

Product Name	Bossweld Silicon Bronze MIG Wire
Part Number	200138, 200139, 200141, 200142
Issue Date	19.01.2016

Ferrous product; do not dispose of it in the environment (metal scrap). When used in combination with fumes extractors, treat the ensuing powders according to the provisions in force.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD:

Discard any product, residue, disposal container, or liner in an environmentally acceptable manner approved by Federal, State and local regulations.

SECTION 14: TRANSPORT INFORMATION

High-density product, not dangerous according to the transport provisions in force.

UN NUMBER:	n.a
PROPER SHIPPING NAME:	BOSS MIG Wire
TRANSPORT HAZARD CLASS:	None
PACKING GROUP:	n.a
ENVIRONMENTAL HAZARDS FOR TRANSPORT PURPOSES:	n.a
SPECIAL PRECAUTIONS FOR USER:	n.a
ADDITIONAL INFORMATION:	n.a
HAZCHEM OR EMERGENCY ACTION CODE:	n.a

SECTION 15: REGULATORY INFORMATION

MONTREAL PROTOCOL (OZONE DEPLETING SUBSTANCES):	n.a
THE STOCKHOLM CONVENTION (PERSISTENT ORGANIC POLLUTANTS):	n.a
THE ROTTERDAM CONVENTION (PRIOR INFORMED CONSENT):	n.a
BASEL CONVENTION (HAZARDOUS WASTE):	n.a
INTERNATIONAL CONVENTION FOR THE PREVENTION OF POLLUTION FROM SHIPS (MARPOL):	n.a
SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS:	n.a

SECTION 16: OTHER INFORMATION

Dynaweld Industrial Supplies Pty Ltd requires that all customers read this product card carefully so as to be informed about the risks implied in the use of the product, and provide any person involved with a copy of the same and/or adequate training on the use of the product.

This card has been drawn up in consideration of the directions contained in the information cards on welding fumes, published by the International Institute of Welding (IIW).