

**PROCUS WELDING & INDUSTRIAL  
SUPPLIES PTY LTD**

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**MATERIAL SAFETY DATA SHEET**

ISSUED: 1/11/2011

**PROCUS 99**

**SECTION 1 IDENTIFICATION**

UN No. None  
POISON SCHEDULE No. None  
HAZCHEM None  
DANGEROUS G. CLASS None  
PACKAGING GROUP None

**SECTION 2 COMPOSITION**

<u>INGREDIENT(S)</u>	<u>CAS NO</u>	<u>PROPORTION</u>
core wire of iron	7439-89-6	10-60
nickel	7440-02-0	10-60
flux covering, consisting of calcium carbonate	1317-65-3	10-30
magnesite	546-93-0	10-30
silica - amorphous		
diatomaceous earth	61790-53-2	<10
graphite	7782-42-5	<10
ferric oxide	1309-37-1	<5
manganese	7439-96-5	<5
calcium fluoride	7789-75-5	<5
sodium metasilicate	1344-09-8	<2
aluminium oxide	1344-28-1	<1
welding fumes	None	
manganese fume	7439-96-5	

**SECTION 3 PHYSICAL DATA**

**APPEARANCE**

Silver coloured square rod for brazing cast iron.  
No residual odour. Totally insoluble in water.

Flash Point (C)	Not applicable
Solubility in Water	Immiscible
Lower Explosive Limit (%)	Not applicable
Upper Explosive Limit (%)	Not applicable

**SECTION 4 FIRE AND EXPLOSION HAZARD DATA**

Non Combustible.

**SECTION 5 HEALTH HAZARD DATA**

Fumes arising during welding operations may be irritating to the upper-respiratory tract and may be harmful if inhaled. Principal route of exposure is inhalation of welding fumes from electrodes and workpiece. Reaction is relative to welding conditions, volatilities of metal oxides and any coatings on the workpiece .

**Warning:** Nickel is classified as IARC as Group 1 Carcinogenic to humans. There is little information on the effects on welders of fumes containing nickel.

**FIRST AID**

**IF SWALLOWED** do NOT induce vomiting. Give a glass of water.  
**EYE:** Immediately hold eyes open and wash continuously with running water for at least 15 minutes.  
Ensure irrigation under eyelids.  
Seek medical attention without delay.  
**SKIN:** If product comes in contact with the skin:  
Wash affected areas thoroughly with soap and water  
**INHALATION:** Remove to fresh air AND Lay patient down. Keep warm and rested.  
If breathing is shallow or has stopped, ensure clear airway and apply resuscitation.

**SECTION 6 PRECAUTIONS FOR USE**

Use Welding helmet with suitable filter or Welding hand shield with suitable filter, or Welding goggles with suitable filter.  
Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them.  
Welding Gloves  
Safety footwear.  
Overalls  
Eyewash unit.  
Aprons, sleeves, shoulder covers, leggings or spats of pliable flame resistant leather depending on working conditions.

**SECTION 7 SAFE HANDLING INFORMATION**

**STORAGE and TRANSPORT:** Store in a cool dry atmosphere.  
**SPILLS and DISPOSAL:** Scrap should be recycled  
**TRANSPORTATION:** No restrictions.

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