

**PROCUS WELDING & INDUSTRIAL  
SUPPLIES PTY LTD**

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**MATERIAL SAFETY DATA SHEET**

ISSUED: 1/11/2011

**PROCUS 221**

**SECTION 1. IDENTIFICATION**

U.N. Number None  
Dangerous Goods Class None  
Poisons Schedule Number None  
Hazchem Code None

**SECTION 2 COMPOSITION**

<u>Ingredients</u>	<u>CAS No:</u>	<u>Proportion</u>
Iron	7439-89-6	<100
flux covering, consisting of		
Iron	7439-89-6	<25
Chromium	7440-47-7	<5
Molybdenum	7439-98-7	<15
Vanadium	1314-62-1	<4
Tungsten	7440-33-7	<2
Carbon	1333-86-4	<2
Silicon Oxide	61790-53-2	<15
Titanium Oxide	13463-67-7	<15

**SECTION 3 PHYSICAL DATA**

Appearance: Coated Electrode.  
Flash Point (deg C) Not applicable  
Solubility in Water (g/L) 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 .

**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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