

## EU Safety Data Sheet

pursuant to EC Directive 93/112/EEC

<b>Welding Filler metals:</b>	<b>Coated stick electrodes</b> (≥5% wgt.Cr, ≥ 1% wgt.Ni)	Revision: revised on:	2 30.09.04
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<b>1. Product and Company name</b>			
<b>1.1 Product information</b>			
Trade names:	<b>EutecTrode Xuper 686</b>		
<b>1.2 Use of substance/preparation</b>	Welding Filler Metals		
<b>1.3 Company information</b>			
	<b>Eutectic Canada Inc. 52 Hymus, Suite # 220 Vaudreuil-Dorion, Québec J7V 5V5</b>		
	<b>Tel.: 514-695-7500 Fax: 514-695-8793</b>		
<b>1.4 Emergency phone number</b>	<b>800-361-9439</b>		
<b>2. Composition / Information on Ingredients</b>			
<b>2.1 Description:</b>	This product contains >5% by weight chromium and ≥1% by weight nickel.		
<b>2.2 Hazardous contents:</b>	Nickel		
Designation:	Ni		
Content [% by weight]:	≥ 1%		
Hazard-symbol index letter:	Xn		
<b>2.4 R rates:</b>	R 40-43		
<b>2.5 CAS No.:</b>	7440-20-0		
<b>3. Possible hazards</b>	Inhalation of welding fumes is detrimental to health (chromium oxide and nickel fumes). May cause sensitisation by skin contact.		
<b>Identification of hazards:</b>			
<b>4. First-Aid measures</b>			
General information			
in case of ingestion:	Wash out mouth with water, seek medical advice.		
in case of inhalation(of fumes):	Remove to fresh air.		
in case of skin contact:	Disinfect eventual burns.		
in case of eye contact:	Repeated arc flash irritates unprotected eyes, consult eye specialist.		
in case of electrical shock:	Switch off. If necessary apply immediately artificial respiration and call doctor.		
<b>5. Fire-fighting measures</b>	Not applicable, this product being inflammable and non explosive.		
Suitable extinguishing agents:	Not applicable		
Not suitable extinguishing agents:	Not applicable		
<b>6. Accidental Release Measures</b>	Observe any warning labels on the container (see Sections 14 and 15). Take precautions to avoid exposure (see Section 8).		
<b>7. Handling and storage</b>			
<b>7.1 Handling</b>			
Instructions on safe handling:	No special prescriptions. Observe the national standards.		
<b>7.2 Storage</b>			
Requirements to storage rooms and containers:	Store in a dry place.		
<b>8. Exposure control and personal protection</b>			
<b>8.1 Exposure limit values</b>			
	Note the measures described under 7.1.		
	Keep personal exposure below national regulatory levels. Ventilation must be sufficient to evacuate fumes from the breathing area of welding operators. If this is not possible, use respirator or suitable alternative personal respiratory protection.		
<b>8.2 Exposure Controls</b>			
<b>8.2.1 Occupational Exposure Controls</b>			
<b>Designation of substance</b>	<b>CAS No.</b>	<b>Limit value</b>	
Nickel	7440-02-0	0.5 mg/m <sup>3</sup> (TRK) measured as total dust	
Nickel oxide	1313-99-1	0.5 mg/m <sup>3</sup> (TRK) measured as total dust	
Chromium - VI compound	13765-19-0	0.1 mg/m <sup>3</sup> (TRK) measured as total dust	
Fluorides		2.5 mg/m <sup>3</sup> (MAK) measured as total dust	
Sodium	7681-49-4		
Potassium	7789-23-3		
Manganese oxide (Mn <sub>3</sub> O <sub>4</sub> )	1317-35-7	1 mg/m <sup>3</sup> (MAK) measured as total dust	
Fine dust		6 mg/m <sup>3</sup> (MAK)	

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- |         |                        |  |
|---------|------------------------|--|
| 8.2.1.1 | Respiratory protection | See 8.1  |
| 8.2.1.2 | Hand protection:       | Gloves   |
| 8.2.1.3 | Eye protection:        | Approved coloured welding glasses must be used when welding. |
| 8.2.1.4 | Skin protection:       | As appropriate for handling.                                 |

### 9. Physical and chemical properties

- |     |                             |                         |
|-----|-----------------------------|-------------------------|
| 9.1 | Appearance:                 | Coated stick electrodes |
|     | Odour:                      | None                    |
|     | <b>Safety-related data:</b> | Not applicable          |

### 10. Stability and reactivity

- |      |                                   |  |
|------|-----------------------------------|--|
| 10.1 | Conditions to avoid:              | None   |
| 10.2 | Materials to avoid:               | None   |
|      | Hazardous decomposition products: | Nickel, chromium, manganese oxide fumes and fluorides may be liberated during welding. |

Further information:

### 11. Toxicological information

- |                    |   |
|--------------------|---|
| Acute effects:     | See paragraph 2+3.<br>On the basis of information on its components, this product is harmful by inhalation during welding and in contact with skin. |
| Prolonged effects: | Prolonged exposure by inhalation of welding fumes is detrimental to health.   |

### 12. Ecological information

Although no test data are available, on the basis of its components this product is harmful to the aquatic environment, and discharge to water systems should be avoided.  
Observe the national standards for operations of fume exhauster systems.

### 13. Disposal instructions

Users should acquaint themselves with local and national regulations. Disposal should be carried out by placing the waste in suitable labelled containers for recycling or for treatment under controlled conditions at a licensed waste material processor.  
If involved in incineration (see Section 5 above).

### 14. Transportation information

- |          |   |
|----------|---|
| Remarks: | This product does not constitute hazardous goods within the meaning of the Transport Regulations. |
|----------|---|

### 15. Regulations

Classified according to the Directives 67/548/EEC and 1999/45/EEC, and their various amendments.

#### Marking

None, the products being in compact form.

### 15.2 National regulations

Observe the national standards.

### 16. Other information

- |                          |   |
|--------------------------|---|
| References:              | (1) Suppliers' Safety Data Sheets on components<br>(2) Annex I of Directive 67/548/EEC  |
| R phrases:               | Not applicable, the product being in compact form.<br>The format of this Safety Data Sheet conforms to the requirements of EC Directive 93/112/EEC and 2001/58/EC.  |
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