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 Section I - IDENTIFICATION  
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Eutectic Canada Inc.  
 52 Hymus Boulevard, Suite 220  
 Pointe Claire, Quebec  
 H9R 1C9

Emergency Telephone: (514) 695-7500

Product Name: BronzoChrom 10185  
 AWS standard terminology: Thermal Spray Powder  
 WHMIS Classification: D-2A Serious Toxic Effects  
 D-2B Other Toxic Effects

Transport of Dangerous Goods: Not Applicable

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 Section II - HAZARDOUS INGREDIENTS  
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Ingredient	Range wt%	CAS Number	Exposure Limit mg/m3
Nickel, elemental	60-100	7440-02-0	1
Iron, elemental	1-5	7439-89-6	5 (fume)
Silicon, elemental	1-5	7440-21-3	10
Boron, elemental	1-5	7440-42-8	10

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 Section III - PHYSICAL / CHEMICAL CHARACTERISTICS  
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The following data should only be used in the context of the Material Safety Data Sheet.

Physical State: Powder  
 Appearance and Odour: Dark grey odorless powder

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 Section IV - FIRE AND EXPLOSION DATA  
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Flammable: No

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Section V - REACTIVITY  
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Level of stability: Stable  
Hazardous Polymerization: Will not occur

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Section VI - HEALTH HAZARD DATA  
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The body can be affected if fumes and gases are inhaled, and/or come into contact with eyes.

**FUMES AND GASES CAN BE DANGEROUS TO YOUR HEALTH**

**SHORT TERM (ACUTE)** over exposure to welding fumes may result in discomfort such as dizziness, nausea or irritation of the nose, throat or eyes.

**SILICON, SILICON OXIDE** - Possible eye irritant. Remove by washing eyes with lots of water.

**NICKEL, NICKEL OXIDE** - Inhalation of fume with nickel compounds may cause metallic taste, nausea, tightness in chest, fever, allergic reactions.

**LONG TERM (CHRONIC)** over exposure may lead to siderosis (iron deposits in lungs), pulmonary functions, blood and cell disorders.

**SILICON, SILICON OXIDE** - Prolonged exposure to dust can cause pulmonary fibrosis (silicosis).

**NICKEL, NICKEL OXIDE** - Long term over exposure to nickel compounds may cause lung fibrosis or pneumoconiosis. Nickel and its compounds are considered by the OSHA as carcinogenic.

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Section VII - EMERGENCY FIRST AID  
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Remove to well ventilated area. Obtain medical assistance and apply artificial respiration if necessary.

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Section VIII - PREVENTIVE MEASURES  
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Personal protective equipment: Use NIOSH approved respirator for protection against fumes in confined areas or where local exhaust or ventilation does not keep exposure below the recommended exposure limit. Consult the "*NIOSH guide to industrial respiratory protection*" for proper selection of both the respirator and the cartridges. Wear protective helmet or use face shield with filter lenses. Conventional welding gloves are sufficient for spraying this powder. Provide protective screen and flash goggles if necessary. Refer to CSA W117.2 - Safety in Welding and Cutting - for further information.

Storage and handling: Keep in cool dry place.

Steps to be taken if material is released or spilled: Powder should be kept from contaminating the water table. Sweep up immediately.

Waste Disposal Method: Prevent waste from contaminating environment. Disposal should be in accordance with local, provincial and federal regulations.

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Section IX - PREPARATION OF MATERIAL SAFETY DATA SHEET  
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Prepared by: Director of Products and Services  
Contact number: 514-695-7500  
Date prepared: 30/09/99  
Date revised: 30/09/07