



MATERIAL SAFETY DATA SHEET

1- PRODUCT IDENTIFICATION

Chrome plated carbon steel bar

2- SUPPLIER :

Savik Super-Chrome Inc.
2875 rue de l'Industrie
Trois-Rivières (Québec)
G8Z 3X9

3- HAZARDOUS INGREDIENTS

There are no hazardous ingredients on a chrome plated steel bars. There could be some hazardous ingredients in the chrome flake and / or the steel bars. With this MSDS you will find the MSDS for the chromic acid and the carbon steel.

4- PHYSICAL DATA

Physical state:	Solid	Odour / Appearance:	Silver / Gray
Odour Threshold:	None	Evaporation rate:	Not Applicable
Boiling Point:	Not Applicable	Vapour Pressure:	Not Applicable
Vapour Density:	Not Applicable	Freezing Point:	Not Applicable
Ph:	Not Applicable		
Solubility in water:	Not Applicable		

5- FIRE & EXPLOSION

This solid material is not inflammable.

6- REACTIVITY DATA

Chemical Stability:	Stable
Incompatible Materials:	Molten metal or corrosion will appear if material is placed in water.
Conditions of Reactivity:	Contact with mineral acids will release hydrogen gas.
Hazardous Decomposition:	Metal fumes; iron oxide, manganese, chromium and nickel.

7- TOXICOLOGICAL PROPERTIES

Route of entry: Prolonged skin contact with coated steel may cause skin irritation in sensitive individuals. Inhalation of metal particulate or elemental oxide fumes generated during welding, burning, grinding or machining processes may cause acute or chronic health effects.

Effects of acute exposure: Steel in its shipped form presents no health hazards. Processes generating metal fume may result in inhalation of manganese, copper or zinc (coated products) causing "Metal fume fever" characterised by fever and chills (ie: flu-like symptoms). Appears 4 to 6 hours after exposure with no long term effects.

Effect of chronic exposure: Steel in its shipped form presents no health hazards. Iron oxides can cause a benign pneumoconiosis (Siderosis) with few or no symptoms. Chronic inhalation of lead fumes may cause lead poisoning which can affect the digestive system, nervous system, muscle and joints. Certain nickel and chromium compounds have been listed with the IRAC as nasal and lung carcinogens.

IRRITANCY OF MATERIALS:	Not Applicable
REPRODUCTIVE EFFECTS:	Not Applicable
SYNERGISTIC PROPERTIES:	Not Applicable
SENSIZATION TO MATERIAL:	Not Applicable
TERATOGENICITY OF MATERIAL:	Not Applicable

MUTAGENICITY: Not Applicable

CARCINOGENICITY: IARC list certain hexavalent chromium compounds under its Group 1 Category "CONFIRMED HUMAN CARCINOGEN".
Iarc list nickel and certain nickel compounds under its Group 2A Category "SUSPECTED HUMAN CARCINOGEN".

NOTE: THIS MATERIAL IN ITS SHIPPED STATE PRESENTS NO HEALTH HAZARDS. PROCESSES CAUSING THE MATERIAL TO BE WELDED BURNED, GROUND OR CUT MAY GENERATE FUMES, DUST OR POWDER, AND EACH PROCESS SHOULD BE EVALUATED TO DETERMINE THE HAZARD POTENTIAL.

8- PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT

GLOVES: Leather cut resistant gloves are recommended due to sharp edges.
CLOTHING: Not Applicable
RESPIRATORY: Not Applicable
EYE: Not Applicable
FOOTWEAR: Not Applicable
OTHER: The selection of appropriate personal protective equipment is dependent upon the nature of the processing activity performed (ie: flame cutting, welding, grinding etc...) PPE requirements should be determined by the nature of the process and associated hazards.
ENGINEERING CONTROLS: General or local ventilation during cutting / welding operations.
WASTE DISPOSAL: Collect for recycle or resale. Follow applicable legislation when disposing of material.
LEAK & SPILL: Not Applicable
STORAGE: Not Applicable
SPECIAL SHIPPING: Not Applicable

9- FIRST AID INFORMATION

INHALATION: If exposed to welding fume, dust or powder, remove to fresh air and treat symptomatically.
EYE CONTACT: Immediately flush eyes with large quantities of water for 15 minutes while holding eyelids open. Seek prompt medical attention.
SKIN CONTACT: Maintain good personal hygiene, wash with soap and water. Seek medical attention if necessary.
INGESTION: Not generally expected. Seek medical attention if necessary.

10- PREPARATION INFORMATION

Prepared by Savik Super-Chrome Inc. on May 18th, 2004.

"THE INFORMATION CONTAINED IN THIS DOCUMENT IS BASED ON DATA CONSIDERED ACCURATE, HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS OBTAINED FROM THE USE THEREOF.

11 - ADDITIONAL DOCUMENTS

Chromic Acid MSDS, no name from our distributor will be provided.
Steel carbon MSDS, no name from our distributor will be provided.

12 - REVISED DATES

January 3rd, 2015