

# MATERIAL SAFETY DATA SHEET

1395 North Grandview Hwy Vancouver, BC V5N 1N2 T 1-800-887-4708

**WHMIS CLASS: NOT A CONTROLLED PRODUCT**

## SECTION 1 - PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER:	<b>ZINC COATED WIRE</b>
PRODUCT USE:	Various applications.
SUPPLIER:	<b>Structa Wire Corp.</b> 1395 Grandview Hwy., Vancouver, BC, Canada, V3L 4Y1
TELEPHONE:	(604) 254-9868

## SECTION 2 - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	GAS NUMBER	LETHAL DOSE (50%) (SPECIES, ROUTE)	LETHAL CONCENTRATION (50%)
Iron	95	7439-89-6	N/av.	N/av.
Zinc	1-5	7440-66-5	N/av.	N/av.
Chromium	0.1	7440-47-3	N/av.	N/av.
Nickel	0.1	7440-02-0	N/av.	N/av.

## SECTION 3 - PHYSICAL DATA

PHYSICAL STATE:	Solid	ODOUR APPEARANCE:	Odourless. Massive grey metal.	COLOUR THRESHOLD:	N/ap.
VAPOUR PRESSURE:	N/ap.	VAPOUR DENSITY:	N/ap.	EVAPORATION RATE:	N/ap.
				BOILING POINT:	2705 °C
pM:	N/ap.	SPECIFIC GRAVITY:	7.85	COEFFICIENT OF WATER/OIL DISTRIBUTION:	Not soluble in water.
				MELTING POINT:	422 °C (coating)

## SECTION 4 – FIRE AND EXPLOSION DATA

FLAMMABILITY:	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> X	Massive metal is not flammable. Dust can form explosive mixtures with air.			
MEANS OF EXTINCTION:	Smother fire with dry powder extinguisher.				
SPECIAL PROCEDURES:	Fire fighters should wear self-contained breathing apparatus. Water may be used to keep exposed containers cool.				
FLASHPOINT:	N/ap.	UPPER FLAMMABILITY LIMIT: (% BY VOLUME)	N/av.	LOWER FLAMMABILITY LIMIT: (% BY VOLUME)	N/av.
AUTOIGNITION TEMPERATURE:	680 °C (dust cloud)	HAZARDOUS COMBUSTION PRODUCTS:	Oxides of zinc.		
SENSITIVITY TO IMPACT:	Not sensitive. Stable material.		SENSITIVITY TO STATIC DISCHARGE:	Massive metal not sensitive.	

## SECTION 5 – REACTIVITY DATA

CHEMICAL STABILITY:	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Massive metal is stable under normal conditions. Heating may generate zinc oxide fumes. Damp dust or powder may heat spontaneously and ignite on exposure to air.			
CHEMICAL STABILITY:	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	Avoid contact with strong acids and alkali hydroxides which may react vigorously with the product to form flammable hydrogen gas. Avoid contact with halogenated hydrocarbons, oxidizing materials, ammonium nitrate, sulphur, and halogens – all of which can react dangerously with the product.			
REACTIVITY:	Hazardous polymerization will not occur.				
HAZARDOUS DECOMPOSITION PRODUCTS:	None.				

