

# MATERIAL SAFETY DATA SHEET

<b>SECTION 1 - MATERIAL IDENTIFICATION</b>		Controlled Product:      yes      no X		
Material Name:                    C92200		Product Identification Number:      C92200		
Manufacturer's Name: Victaulic Custom Casting Company.		Supplier's Name: INGOT METAL COMPANY LIMITED		
Street Address:    123 NEWKIRK ROAD		Street Address:                    111 FENMAR DRIVE		
City: RICHMOND HILL	Province: ONTARIO	City: WESTON	Province:                    ONTARIO	
Postal Code: L4C 3G5	Telephone No: 905/884-9091	Postal Code: M9L 1M3	Telephone No.:    416/749-1372	
<b>SECTION II - HAZARDOUS INGREDIENTS</b>				
Chemical Identity	Approximate Concentration	CAS Number or U.N. Numbers	"Exposure Limits"	LD50/LC50 Specify Species & Route
COPPER	86% -90%	7440-50-8	0.2 mg/m3	not applicable
TIN	5.5% - 6%	7440-31-5	2.0 mg/m3	not applicable
LEAD	1% - 2%	7439-92-1	0.15 mg/m3	not applicable
ZINC	3.0% - 5.0%	7440-66-6	5.0 mg/m3	not applicable
IRON	<0.25%	1309-37-1	5.0 mg/m3	not applicable
ANTIMONY	<0.25%	7440-36-0	0.5 mg/m3	not applicable
NICKEL	>1%	7440-02-0	1.0 mg/m3	not applicable
ALUMINUM	<0.005	7429-90-5	10.0 mg/m3	not applicable
<b>SECTION III - PHYSICAL DATA</b>				
Physical State: SOLID	Odour & Appearance: NO ODOUR, YELLOW & RED		Co-efficient of Water/Oil Distribution:    N/A	
Specific Gravity: 8.7	Odour Threshold: NONE	pH:      N/ A	Melting Point: 1810 F	
Freezing Point: 1518 F	Vapour Density: N/A	Vapour Pressure: NEGLIGIBLE	Evaporation Rate:    NOT APPLICABLE	
<b>SECTION IV - FIRE EXPLOSION HAZARD</b>				
Conditions of Flammability: NOT FLAMMABLE, WILL NOT BURN IN FIRE			Explosion Data/Sensitivity to Mechanical Impact: NONE	
Flashpoint and Method: N/A	Upper Flammable Limit: N/A		Hazardous Combustion Products: N/A	
Sensitivity to Static Discharge: NONE	Lower Flammable Limit: N/A		Auto ignition Temperature: N/A	
Means of Extinction: IN MOLTEN FORM DO NOT USE WATER OR WET SAND. USE DRY CHEMICAL, DRY SAND, OR CO2				

<b>MATERIAL IDENTIFICATION</b> C92200	
<b>SECTION V - REACTIVITY DATA</b>	
Stability: COPPER ALLOYS STABLE UNDER NORMAL CONDITIONS OF STORAGE	Conditions of Reactivity: COPPER REACTS VIOLENTLY WITH ACETYLENE
Incompatible Materials: REACT W/ STRONG ACIDS	Hazardous Decomposition Products: NOT APPLICABLE
<b>SECTION VI - TOXICOLOGICAL PROPERTIES</b>	
Route of Entry: Skin Contact: N/A; Skin Absorption: N/A; Eye contact: N/A; Inhalation: N/A; Ingestion: N/A	
Effects of Acute Exposure: OVER EXPOSURE TO FUMES GENERATED DURING WELDING OR BURNING MAY CAUSE METAL FUME FEVER WHICH IS CHARACTERIZED BY FLU-LIKE SYMPTOMS SUCH AS FEVER, CHILLS, NAUSEA & VOMITING. SYMPTOMS APPEAR 4 - 6 HRS AFTER EXPOSURE AND MAY LAST 12 HRS.	
Effects of Chronic Exposure to product: INHALATION OF LEAD FUMES OR DUST, OR INGESTION OF LEAD CAN CAUSE LEAD POISONING.	
Exposure Limits: NOT APPLICABLE	Irritancy of Product: NOT APPLICABLE
Carcinogenicity: ANTIMONY TRIOXIDE AND NICKEL HAVE BEEN IDENTIFIED AS POTENTIAL CARCINOGENS	
<b>SECTION VII - PREVENTATIVE MEASURES</b>	
Personal Protective Equipment: WHEN POURING, CUTTING, GRINDING AND PERFORMING OTHER FINISHING OPERATIONS, PERSONAL PROTECTIVE EQUIPMENT SHOULD BE WORN.	
Gloves (specify): LEATHER PALMED COTTON GLOVE OR ALL LEATHER GAUNTLET	Respiratory (specify): USE NIOSH APPROVED WHEN IN PRESENCE OF FUME
Eye (specify): SAFETY GLASSES (fines)	Footwear (specify): SAFETY BOOTS WHEN HANDLING CASTINGS
Engineering Controls (eg. ventilation, enclosed process, specify): LOCAL VENTILATION WHEN FUME	
Leak and Spill Procedure: NOT APPLICABLE UNLESS MOLTEN METAL	
Waste Disposal: IF MATERIAL CANNOT BE RETURNED TO PROCESS OR SALVAGE, DISPOSE OF ONLY IN ACCORDANCE WITH APPLICABLE REGULATIONS.	
Handling Procedures and Equipment NOT APPLICABLE UNLESS MOLTEN	
Storage Requirements: DO NOT STORE WITH ACIDS OR ALKALIS	Special Shipping Information: NONE
<b>SECTION VIII - FIRST AID MEASURES</b>	
Skin: BRUSH OFF EXCESS DUST, WASH HANDS WELL	
Eye: FLUSH WITH WATER, IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION	
Ingestion: NOT APPLICABLE	Inhalation: NOT APPLICABLE UNLESS IN MOLTEN STATE
General Advice: PRACTICE GOOD PERSONAL HYGIENE. WASH HANDS BEFORE EATING OR SMOKING. NO FOOD OR DRINK SHOULD BE CONSUMED IN THE WORK AREA.	
<b>SECTION IX - PREPARATION INFORMATION</b>	
Prepared by: LORNE PIKE	
Telephone Number: (905) 884-9091	Date: February 26, 2008

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