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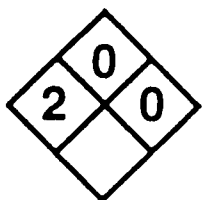
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RPD Product Information

Item Number Description

879-202	+Medium Melting Alloy-203 Degrees F.(50 to 150 Lbs.)
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MATERIAL SAFETY DATA SHEET

CERROSHIELD
5250-1

I. MATERIAL IDENTIFICATION

Company Name: CERROMETAL PRODUCTS CO. P. O. BOX 388 BELLEFONTE, PA 16823		Emergency Phone No.: (814) 355-6370	
		Ingredients in Alloy: BISMUTH, LEAD & TIN	
Trade Name of Product: ALLOY 5250-1	Chemical Family: LOW MELT ALLOYS	Form of Products: CAKES & BUTTONS	

II. CHEMICAL COMPOSITION

Low Melting Alloys may contain one or more of the following ingredients:				
ELEMENT	CAS NUMBER	RANGE - %	OSHA PERMISSIBLE EXPOSURE LIMIT - 8 HOUR TWA	ACGIH THRESHOLD LIMIT VALUE - 8 HOUR TWA
Bismuth	7440-69-9	52.50%	N/A	N/A
Lead	7439-92-1	32.00%	0.05 mg/m ³	0.15 mg/m ³
Tin	7440-31-5	15.50%	2 mg/m ³	2 mg/m ³

III. PHYSICAL DATA

Physical State: (Normal Conditions) SOLID		Appearance and Odor: METALLIC GRAY - ODORLESS	
Melting Point: 203 F	Boiling Point: N.A.	Vapor Pressure: N.A.	Density: .355 lb/in ³

IV. FIRE AND REACTIVITY DATA

Flash Point: N.A.	Flammable Limits: N.A.	Reactivity: Alloys are stable non-hazardous solids at room temperature.
Caution: NEVER USE WATER AS AN EXTINGUISHING MEDIA IN AREAS NEAR MOLTEN METAL		

V. HEALTH HAZARD DATA

5250-1

Overheating of alloy can produce metal fumes and oxides. Machining operations such as grinding, sawing, and buffing can generate airborne particulate in the work area. The exposure levels indicated in Section II are relevant to these and other operations.

The following is symptoms of overexposure to the various ingredients:

CANCER CAUSING AGENTS

Lead	Inhalation of fumes or dust can cause dryness of throat, nausea, vomiting and chills.
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POTENTIAL CANCER CAUSING AGENTS

Tin	Dust of tin oxide may cause pneumoconiosis.
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Under certain circumstances, carcinogenic or reproductively toxic materials such as lead contained in these alloys can be present in the fluids coming in contact with them and may be dangerous if ingested or released into the environment.

FIRST AID:

Burns from molten metal should be treated as you would a burn from hot grease.

Overheating of metal may generate fumes and/or particulate. If overexposure is suspected, employee should be removed from area and a physician consulted.

Ingestion of appreciable quantities of alloy is unlikely to occur.

VI. SPILL PROCEDURES

No special precautions are required for spills of bulk material. Scrap alloy can be reclaimed for reuse. Follow Federal, State and Local regulations for disposal.

VII. SPECIAL PROTECTION INFORMATION

Where dust and fume levels are in excess of levels in Section II NIOSH approved respiratory protection should be used. Heat resistant gloves should be worn when working with molten alloy. Eye protection should be worn during machining operations or melting.

VIII. SPECIAL PRECAUTIONS

Wash hands thoroughly before eating, smoking or applying cosmetics.

SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION

Fusible alloys contain chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1985 and 40 CFR Part 372.

Completed by: James A. Vaiana Title: Environmental Engineer Date: 9-21-99

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