



Material Safety Data Sheet

SECTION I – COMPANY AND PRODUCT IDENTIFICATION

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Company: Wear –Concepts Inc.
2845 E. Heartland Drive
Liberty, Missouri 64068

Telephone Number: 816-587-1923
Emergency Telephone Number: 800-424-9300
Internet: www.wearcon.com

Product Name: Wear-Con SHC800 High Chrome Wear Panels

Common Name: High Chrome Alloy Iron Castings bearing material codes containing the letter J.

SECTION II – INGREDIENTS/HAZARD INFORMATION

Component	CAS Number	%	OSHA PEL	ACGIH TLV	Other
Iron	7439-89-6	>65	10.0 Mg/CuM	5.0 Mg/CuM	None
Chromium	7440-47-3	10-30	1.0 Mg/CuM	0.5 Mg/CuM	None
Molybdenum	7439-98-7	0-3	15.0 Mg/CuM	10.0 Mg/CuM	None

SECTION III – HAZARDS IDENTIFICATION

There are no chemical hazards from these castings in solid form at room temperature. Machining, grinding, welding and air-arc cutting of castings can generate dust or fume. Most of this will be iron or iron oxide and overexposure to iron oxide can cause siderosis or iron pigmentation of the lung. Little or no disability results from siderosis.

This same dust or fume may also contain chromium. If the total dust and fume from the process is kept below the TLV then the individual components will be adequately controlled.

Primary Routes of Entry: Eye and skin contact, dermal absorption, inhalation and ingestion.

Eyes: Metal particles in the eyes may cause irritation if not removed. Particles should be removed by a medical professional.

Skin: No hazard in normal industrial use.

Inhalation: Prolonged or repeated exposure to iron oxide fume may cause siderosis. Maintain adequate ventilation when welding on or thermally castings.

SECTION IV – FIRST AID MEASURES

Eye Contact: immediately flush eyes with plenty of water. Get medical attention immediately.

Skin Contact: wash with soap and water.

Inhalation: remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

SECTION V – FIRE-FIGHTING MEASURES

High chrome alloy iron castings will not burn or explode.

SECTION VI – ACCIDENTAL RELEASE MEASURES

N/A

SECTION VII – HANDLING AND STORAGE

No special requirements.

SECTION VIII – PERSONAL PROTECTION

Respiratory Protection: Use NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Provide general ventilation and /or local exhaust if necessary to maintain concentration below TLV.

Eye Protection: Wear safety glasses with side shields (or goggles) and a face shield when grinding, goggles or welding hood when welding or plasma cutting.

SECTION IX – PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: N/A
Vapor Pressure: N/A
Vapor Density: NA
Solubility in Water: NA

Specific Gravity: 7.8
Volatiles By Volume (%): 0
Evaporation Rate (butyl acetate=1): NA
Appearance & Odor: Odorless silver gray solid

SECTION X – STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions.

Incompatibility: Chromium metal dust may burn or explode on contact with ammonium nitrate.

Hazardous Polymerization: Will not occur under normal conditions.

SECTION XI – TOXICOLOGICAL INFORMATION

No information available

SECTION XII – ECOLOGICAL INFORMATION

Do not allow material to enter sewers, contact soil or enter any body of water.

SECTION XIII – DISPOSAL CONSIDERATIONS

Dust collected from machining, welding or thermal cutting may be classified as “hazardous Waste”. Castings can be recycled. Consult local regulations disposition of these items.

SECTION XIV – TRANSPORTATION INFORMATION

Proper Shipping Name: Not Regulated
Hazard Class: None
UN Number: None
Packing Group: None

This information contained herein is based on date believed by WEAR CONCEPTS to be accurate, but we do not assume any liability for the accuracy of this information. We neither suggest nor guarantee that any hazards mentioned are the only ones that exist. Anyone intending to rely on any recommendation or to use any equipment, technique or material mentioned should be also satisfy himself that he can meet all applicable safety and health standards.