



# ProKey™

## MATERIAL SAFETY DATA SHEET

### Section I - PRODUCT IDENTIFICATION

Manufacturer:	BoMetals, Inc. 141 Hammond St. Carrollton, GA 30117	Information Phone:	770-832-2000
		Emergency Phone:	770-832-2000
Product Class:	Galvanized Mild Steel	Hazard Ratings:	Health - 0
Trade Name:	ProKey™	None -> extreme	Fire - 0
Product Code:	3500, 4500, 5500, 7500, 9500	0 → 4	Reactivity - 0
C.A.S. Number:	MIXTURE		
MSDS Date:	June 2005		

### SECTION II - HAZARDOUS INGREDIENTS

Ingredients	CAS #	Galvanized Steel		Exposure Limits		VP Mm/ HG
		Weight %		ACGIH/TLV	OSHA/PEL	
Carbon (C)	7440-44-0	0.01-1.2		NE	NE	NA
Chromium (Cr)	7440-47-3	0.01-1.5		0.5	1	NA
Iron (Fe)	7439-96-5	>90		10 Iron Oxide Fume	5 Iron Oxide Fume	NA
Manganese (Mn)	7439-96-5	0.1-1.9		5	5 Dust	NA
Nickel (Ni)	7440-02-0	0.01-1.5		1	1	NA
Silicon (Si)	7440-02-0	0.1-1.5		10 Dust	10 Dust	NA

\*Toxic chemical as defined by OSHA, 29CFR 1910.1200 and subject to SARA Title III, Section 313 reporting requirements.

### SECTION III - PHYSICAL DATA

Boiling Range:	N/A	Vapor Density:	Non Volatile
Evaporation Rate:	Non Volatile	Liquid Density:	Heavier than Water
Volatiles, vol. %<0.005	Wgt % <0.005	Spec. Gravity:	NA
Appearance:	Coated Sheet Steel Channels		
V.O.C.:	<0.01%		



## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flammability Class: 0                      Flash Point: >600°F                      LEL: NONE                      UEL: 0.00%

**-EXTINGUISHING MEDIA:**

Carbon dioxide – Dry Chemical – Foam – Water

**-SPECIAL FIREFIGHTING PROCEEDURES:**

Wear self-contained breathing apparatus (SCBA) in positive pressure mode. Personnel not having suitable respiratory protection must leave the area to prevent significant exposure to combustion gases from any source. In enclosed or poorly ventilated areas, wear SCBA during cleanup immediately after a fire as well as during the attack phase of fire fighting operations.

**-UNUSUAL FIRE AND EXPLOSION HAZARDS:**

None.

## Section V - HEALTH HAZARD DATA

**-PERMISSIBLE EXPOSURE LEVEL:**

N/A

**-EFFECTS OF OVEREXPOSURE:**

- Skin: Use protective gloves and/or other personal protective equipment as specified by a safety professional when cutting, welding, burning, or handling.
- Eyes: Use safety glasses and/or other protective eyewear as specified by a safety professional when exposure to eye or face hazard exists, such as flying objects, molten metal, and injurious light radiation (e.g., welding and burning).
- Breathing: Acute overexposure to zinc oxide fumes can result in metal fume fever, a temporary flu-like illness with symptoms such as dizziness, chills, fever, headache, and nausea.
- Ingestion: Not considered to be an ingestion hazard.

**-FIRST AID:**

- Skin: Not anticipated to pose a significant skin hazard. However should dermatitis develop, wash affected area with mild soap and warm water. Seek medical attention if condition persists.
- Eye: Treat foreign body in the eye. Seek medical attention.
- Breathing: Move affected person to fresh air. If breathing is difficult, administer oxygen. Get medical attention if difficulty persists.
- Ingestion: Not considered to be an ingestion hazard.

## Section VI - REACTIVITY DATA

STABILITY:    ( ) Unstable    ( x ) Stable  
HAZARDOUS POLYMERIZATION:                      ( ) May occur    ( x ) Will not occur

**-INCOMPATIBILITY:**

Stable

**-CONDITIONS TO AVOID:**

Fumes and or dust from further processing.

**-HAZARDOUS DECOMPOSITION PRODUCTS::**

None.



## Section VII - SPILL OR LEAK PROCEDURES

### -STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Sweep up and return to container.

### -WASTE DISPOSAL METHOD:

Landfill disposal is usually acceptable; check current local, state and federal regulations.

## Section VIII - SPECIAL PROTECTION INFORMATION

### -RESPIRATORY PROTECTION:

With adequate ventilation consistent with good industrial workplace practices, there should be no need to use a respirator during normal processing; however, if air monitoring results show concentrations exceeding those limits listed for chemicals in Section II, wear a NIOSH/MSHA-approved respirator specific for those chemicals. Comply with OSHA 1910.134 (29 CFR)

### -VENTILATION:

Provide sufficient mechanical (general and/or local exhaust) ventilation to afford good air-exchange in the work place consistent with good industrial hygiene practices.

### -PROTECTIVE GLOVES:

Heat insulating.

### -EYE PROTECTION:

The wearing of safety glasses is consistent with good industrial safety practices.

### -OTHER PROTECTIVE EQUIPMENT;:

NONE

## Section IX - SPECIAL PRECAUTIONS

### -PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Wash with soap and water after handling.

### -OTHER PRECAUTIONS:

Avoid breathing decomposition products.



#### **USER'S RESPONSIBILITY**

This MSDS cannot cover all possible situations the user may experience during processing. Each aspect of the user's operation should be examined to determine if additional precautions may be necessary. All health and safety information contained herein should be provided to the user's employees. The user must be relied upon to utilize this information to develop appropriate work practice guidelines and employee instructional programs for his operation. Test all end uses thoroughly to assure appropriate material selection.

#### **DISCLAIMER OF LIABILITY**

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