



Material Safety Data Sheet

Threaded Rod
Identity
27,37, 58, 59, 60, 61 & 79
Product Code(s)

Manufacturer Precision Brand Products Inc.	Phone Number (For Information) 630-969-7200
Address 2250 Curtiss Street Downers Grove IL 60515 USA	Emergency Phone Number Chemtrec 800-424-9300 USA & Canada 202-483-7616 International
Date Prepared : 04-30-1986	Date Reviewed: 06-03-2013

SECTION 1 -- MATERIAL IDENTIFICATION AND INFORMATION					
COMPONENTS--Chemical Name & Common Names	OSHA PEL (mg/m ³)	ACGIH TLV (mg/m ³)	OTHER EXPOSURE LIMITS	%	CAS No.
Chemical Family: Metals (Solid)					
Carbon Steel, Stainless Steel, Alloy Steel, Aluminum, Brass	N/A	N/A	N/A		
D.O.T. Identification No.	N/A				

SECTION 2 -- PHYSICAL / CHEMICAL CHARACTERISTICS			
Boiling Point	Depends on chemical family	Specific Gravity (H ₂ O = 1)	2.5/8.0
Vapor Pressure (mm Hg)	N/A	Melting Point	Depends on chemical family
Solubility in Water	Not soluble in water	Vapor Density (Air = 1)	Solid
Appearance and Odor	Metallic luster	Water Reactivity	None

SECTION 3 -- FIRE AND EXPLOSION HAZARD DATA					
Flash Point and Method Used	N/A	Auto-Ignition Temperature	N/A	Flammability Limits in Air % by Volume	LEL N/A UEL N/A
Extinguisher Media	Water spray, dry chemical, carbon dioxide, foam				
Special Fire Fighting Procedures	Under normal conditions, no hazard. Not combustible in air.				
Unusual Fire and Explosion Hazards	May generate smoke if sustained fire in vicinity of this product ignites the protective oil coating (when present). Molten aluminum may explode on contact with water. Do not use halogenated extinguishing agents on small chips or fines.				

SECTION 4 -- REACTIVITY HAZARD DATA		
STABILITY <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions To Avoid	None-Stable under normal conditions
Incompatibility (Materials to Avoid)	Acids & bases. Molten metal may react with water.	
Hazardous Decomposition Products	Welding may produce noxious fumes.	
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions To Avoid	N/A

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SECTION 5 -- HEALTH HAZARD DATA	
No toxic effects would be expected from its inert solid form. Prolonged, repeated exposure to fumes or dusts generated during heating, cutting, brazing or welding may cause adverse health effects.	
CARCINOGEN LISTED IN	<input type="checkbox"/> NTP <input type="checkbox"/> OSHA <input type="checkbox"/> IARC Monograph <input checked="" type="checkbox"/> Not Listed
Medical Conditions Generally Aggravated by Exposure	Inhalation, eyes, skin contact, ingestion
EMERGENCY FIRST AID PROCEDURES	
Eye Contact	Flush well with running water – Seek medical attention if necessary.
Skin Contact	Brush off dust and wash with soap and water – Seek medical attention if necessary.
Inhalation	Remove to fresh air – Seek medical attention if necessary.
Ingestion	Get medical attention in the event that large quantities have been ingested.

SECTION 6 -- CONTROL AND PROTECTIVE MEASURES			
RESPIRATORY PROTECTION (SPECIFY TYPE)	Worker should wear MSHA or NIOSH approved respirator where dust and fume concentrations are high.		
PROTECTIVE GLOVES	Yes	EYE PROTECTION	Yes
VENTILATION	Yes		
OTHER PROTECTIVE CLOTHING AND EQUIPMENT	Safety hat and safety shoes may be required.		
HYGIENIC WORK PRACTICES	Exercise care during grinding, welding and cutting operations to minimize particulate, fumes and eye damage.		

SECTION 7-- PRECAUTIONS FOR SAFE HANDLING & USE/LEAK PROCEDURES	
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE	Exercise care during grinding, welding and cutting operations to minimize particulate and fumes. Avoid breathing dust or fumes without respirators. Store rod products away from combustible reagents.
OTHER PRECAUTIONS AND/OR SPECIAL HAZARDS	When welding fumes, machining or grinding dust occur: Safety glasses, protective welding gear and respirator may be required.
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	Pick-up, vacuum or sweep residue from cutting, grinding or welding operations to suitable container. Dispose of in accordance with local, state, and federal regulations.
WASTE DISPOSAL METHODS	May be recycled or disposed in accordance with federal, state and local regulations.

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Zinc Plating
Identity

Manufacturer Precision Brand Products Inc.	Phone Number (For Information) 630-969-7200
Address 2250 Curtiss Street Downers Grove IL 60515 USA	Emergency Phone Number Chemtrec 800-424-9300 USA & Canada 202-483-7616 International
Date Prepared : 1986	Date Reviewed: 03 Jun 2013

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MATERIAL SAFETY DATA SHEET**

Chemical Family Metal Boiling Point 907 f
Trade Name Zinc Plating Vapor pressure None @ 70 f
Formula Zn Specific Gr. 7.13
Appearance & Odor White metal no odor

HEALTH HAZARD DATA

Inhalation of zinc fumes from heating coating as in welding, brazing, soldering etc. will cause fume fever from acute exposure.
Remove victim to fresh air and administer oxygen as required. Get medical help.

Threshold Limit Value 5 mg/m³ as fume.

PERSONAL PROTECTION EQUIPMENT

OSHA approved respirator for dust, mist and fumes as applicable. Use of local exhaust is recommended for hot operations. Use of gloves, aprons, and safety glasses when handling materials is required.

REACTIVITY

Polishing or grinding dust may be explosive under certain conditions. Avoid contact with acids as hydrogen gas will be liberated.

DISPOSAL, SPECIAL PRECAUTIONS

Where quantities warrant, store for possible reclamation. After working with coated materials, wash hands and face before eating, drinking or smoking.

Characteristics not covered on this MSDS are not applicable to this material at this time.

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