

The International Metals & Chemicals Group
 METALSAMERICA/ PPBTECHNOLOGIES
 MATERIAL SAFETY DATA SHEET

NUMBER: 2012

SECTION I

MANUFACTURER'S NAME: Various
 (Talco as Distributor)

ADDRESS: One Pitcarin Place
 165 Township Line Road
 Jenkintown, PA 19046-3593
 1-215-517-6000

DOT SHIPPING NAME: Zinc
 CAS NUMBER: 7440-66-6
 REPORTABLE QUANTITY: N/A

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CHEMICAL NAME AND SYNONYMS:
 Zinc

TRADE NAME AND SYNONYMS:
 Special High Grade

CHEMICAL FAMILY/FORMULA:
 Metal

EMERGENCY TELEPHONE NUMBER:
 Chemtrec: 800-424-9300
 Outside USA Call: 215-335-0990

SECTION II - HAZARDOUS INGREDIENTS

Section 313 Supplier Notification

This product contains 99.9% Zinc and is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372. This information must be included in all Material Safety Data Sheets that are copied and distributed for this material.

SECTION III - PHYSICAL DATA

BOILING POINT:	907°	MELTING POINT:	420°
SPECIFIC GRAVITY (H ₂ O = 1)	7.13	VOLATILITY/VOL (%):	N/A
SOLUBILITY IN WATER:	Insoluble	VAPOR PRESSURE (mm Hg.):	1 @ 487°C
VAPOR DENSITY (AIR = 1)	N/A	EVAPORATION RATE (____) = 1:	N/A
DENSITY (g/cc):	N/A	FORMULA WEIGHT:	N/A

APPEARANCE AND ODOR:

Various shapes and sizes; silver white metal, no odor

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT (METHOD USED): N/A

FLAMMABLE LIMITS: N/A

EXTINGUISHING MEDIA: CO₂, Dry Chemical

SPECIAL FIRE FIGHTING PROCEDURES: Use approved self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: ACGIH TLV - TWA 5 mg/m³, OSHA PEL - TWA 5 mg/m³.

EFFECTS OF OVEREXPOSURE: Zinc is not an inherently toxic element. However, when heated, it evolves a fume of zinc oxide which when inhaled can cause a disease known as "brass founders," "ague," or "brass chills," throat dryness, cough weakness, generalized aching, fever,

nausea, and vomiting. Chronic inhalation may produce fever and chills without recognized complications.

EMERGENCY AND FIRST AID PROCEDURES: EYES: Flush eyes with plenty of water for 16 minutes. **INHALATION:** Remove from exposure. If breathing is difficult, give oxygen. **SEEK MEDICAL ATTENTION IN THE EVENT OF ANY ACCIDENTAL EXPOSURE TO THIS PRODUCT.**

CARCINOGENICITY INFORMATION: Not listed as a carcinogen.

SECTION VI - REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY (MATERIALS TO AVOID): Contact with strong acids or alkali.

HAZARDOUS DECOMPOSITION PRODUCTS: Heating of metal above the boiling point, zinc vapor. At temperatures above the melting point, zinc oxide fumes may be formed.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: During melting, avoid overheating and zinc vaporization.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: If zinc is spilled, it can be safely swept, shoveled or picked up by hand and returned to original container.

WASTE DISPOSAL METHOD: Place in an approved container and dispose of in accordance with federal, state, and local laws.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): NIOSH/MSHA approved respirator for dust or fumes.

VENTILATION: The area surrounding any plating tank should be suitable ventilated to prevent gases, mists, and particulate matter evolved from the plating tank from collecting to injurious levels. Maintain working environment below the recommended exposure limits.

PROTECTIVE GLOVES: Required for hot metal

EYE PROTECTION: Safety eyewear and face guard required for fumes, dust or heat.

OTHER PROTECTIVE EQUIPMENT: Appropriate for handling molten metal.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store metal in a dry area and preheat if it becomes wet or damp. Keep away from reactive products.

OTHER PRECAUTIONS: Avoid placing wet material in melting furnace - explosion hazard.

The information provided in this Material Safety Data Sheet is believed to be accurate and was obtained from sources believed to be reliable. However, the information is provided without any representation or warranty, expressed or implied, with respect to its accuracy or completeness. It is the users' responsibility to determine the suitability of this product and relevance of this information for their use. We do not assume liability resulting from the use, handling, storage, and disposal of this product. 2