

0	Health
1	Flammability
1	Reactivity
E	Personal Protection

MATERIAL SAFETY DATA SHEET

MSDS Revision Date: January 2011

Product Name: Zinc Dust- Product Code: Part B

SECTION I Manufacturer's Identification

Manufacturer's Name: Hi-Temp Coatings Technology
629 Massachusetts Avenue
Boxborough, MA 01719

Emergency Phone: +1(800)255-3925 or +001-813-248-0585
Information Phone 978-635-1110

SECTION II Hazardous Ingredients

	<u>CAS #</u>	<u>% Wgt</u>	<u>Exposure Level</u>	
Zinc	744066-6	96-98	10 mg/cu.m	
Zinc Oxide	1314-13-2	2-4	Zinc oxide fume	5mg/cu.m
			Zinc oxide dust	10 mg/cu.m

SECTION III Physical/Chemical Characteristics

Boiling Range:	N/A	Specific Gravity (water=1):	7.0
Volatiles by Volume:	None	Nonvolatile by Weight:	100%
Vapor Density:	N/A	Evaporation Rate:	N/A, BuAce=1
VOC:	N/A	Flash Point:	N/A
LEL:	N/A	UEL:	N/A

SECTION IV Fire and Explosion Hazard Data

Hazardous Products of Combustion - Heat generates zinc oxide fume

Fire and Explosion Hazards - Sparks from welding, grinding or open flame may cause zinc dust to burn.

Extinguishing Media - Class D extinguisher or smother with dry sand. Avoid water. Do not disturb until extinguished.

Fire Fighting Instructions - Wear a self-contained breathing apparatus with full face piece operated in the positive pressure demand mode with appropriate turn-out gear.

Unusual Fire and Explosive Hazards - During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SECTION V Reactivity Data

Stability Unstable Stable
Hazardous Polymerization: May occur Will not occur
Incompatibility: Halogen gases, strong acids, bases and oxidizing agents may react violently or cause hydrogen to be evolved.
Conditions to avoid: Avoid excessive heat and ignition sources, such as sparks and flames.

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SECTION VI

Health Hazard Data

Inhalation

ACUTE: May cause irritation of the respiratory track.

Eye

ACUTE: May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Skin

ACUTE: Can cause skin irritation. Symptoms include redness, burning, and drying.

CHRONIC: Cracking of skin and other skin damage.

Emergency and First Aid Procedures

Eyes: Flush thoroughly with running water for 15 minutes, including under eyelids. Get medical attention.

Skin: Promptly remove contaminated clothing and wash affected areas thoroughly with soap and water. If irritation occurs get medical attention. Wash contaminated clothing thoroughly before reuse.

Inhalation: If overcome by vapor, remove to an area free from risk of further exposure. If breathing is difficult, administer oxygen or artificial respiration if breathing has stopped. Keep person warm and quiet and get medical attention.

Ingestion: If swallowed, call a physician immediately. Only induce vomiting at the instructions of a physician. Never give anything by mouth to an unconscious person.

Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

SECTION VII

Spill or Leak Procedures

Steps to be taken in case material is released or spilled: Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Large spills: Notify safety personnel. Eliminate potential sources of ignition. Wear appropriate respiration and protective clothing. Place in non-leaking containers and seal tightly for proper disposal.

Small spills: Take up with absorbent material and place in non-leaking containers for proper disposal.

Waste disposal method:

Assure conformity with applicable federal, state and local regulations.

SECTION VIII

Special Protection Information

Respiratory Protection: Use NIOSH approved respirators as required to prevent overexposure. Use a vapor/particulate respirator. In confined space observe regulations; refer to OSHA 29 CFR 1910.134, "Respiratory Protection."

Ventilation: Provide sufficient ventilation to keep air contaminant concentrations below current applicable OSHA permissible exposure limits and ACGIH's TLV limit.

Protective gloves: Use chemical resistant gloves to prevent skin contact.

Eye protection: Use chemical splash goggles or face shield to prevent eye contact.

Other protective equipment: Use chemical resistant or other protective outerwear to protect against clothing contamination and skin contact.

SECTION IX

Transportation Information

Proper Shipping Name: Zinc Dust

UN Number: N/A

Class N/A

P.G. N/A

Label Code: N/A

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SECTION X Regulatory Information

OSHA Status: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) Inventory List.

California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

SARA 313 Title III:

Section 302, Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals: None

SECTION XI Other Precautions

Precautions to be taken in handling, transportation, and storing: Handling and storage conditions must be suitable for flammable liquids. Store in cool, well ventilated, fire resistant storage area. Protect containers against physical damage. Keep away from heat, flame and strong oxidizing agents. Do not store above 100° F/38°C. Use only with adequate ventilation. Keep containers closed when not in use. Bond and ground containers of this material when pouring to avoid static sparks which create a fire hazard.

The information and recommendations contained herein are based on data believed to be correct. However, Hi-Temp Coatings Technology makes no warranty, expressed or implied, regarding the accuracy of this data. Hi-Temp Coatings Technology assumes no responsibility for personal injury or property damage caused by the use of the material described herein. It is the responsibility of the purchaser or user to ensure that this material is properly and safely used.