

MATERIAL SAFETY DATA SHEET



Date Issued: 10/26/2009
MSDS No: 173
Revision No: New MSDS

MIL-P-21035B Ty. II Zinc Dust Primer (Dust)

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MIL-P-21035B Ty. II Zinc Dust Primer (Dust)

PRODUCT CODE: 700A111d

ALTERNATE TRADE NAME(S): None Known

MANUFACTURER

TriCom Coatings, Inc.
2639 North 31st Avenue
Phoenix AZ 85009

Service Number: 602-243-3293

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (US Transportation) :(800) 424 - 9300

CHEMTREC (International Transportation) :(202)483-7616

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Contains LEAD which may cause blood disorders and lead poisoning.

This product has been tested and shown to fall well below the level of gas emission when exposed to water (49 CFR Part 173 E, 4) and is, therefore, not a regulated product and is not defined as dangerous when wet. Product is packaged in steel or plastic water tight containers. Contains lead compounds which may cause blood disorders, lead poisoning, or reproductive harm.

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: May cause skin irritation.

INGESTION: May cause gastrointestinal distress.

INHALATION: Overexposure will be irritating to mucous membranes.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

CHRONIC TOXICITY: Pure zinc dust is relatively non-toxic to humans by inhalation. Minor inhalation may irritate respiratory tract causing coughing whereas larger doses will give zinc shakes or metal fume fever; a benign flu-like condition.

MEDICAL CONDITIONS AGGRAVATED: If you have a condition that could be aggravated by exposure to dust or organic vapors, see a physician prior to use.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Weight Percentage	CAS Number
Zinc (Dust or Fume)	99.8	007440-66-6
Lead	0.20	007439-92-1

4. FIRST AID MEASURES

EYES: Flush eyes with running water for at least 15 minutes. Seek medical attention if irritation persists.

SKIN: Wash skin thoroughly with soap and water.

INGESTION: Give 2-3 cups of water or milk if victim is conscious. Do NOT induce vomiting. Get medical attention immediately.

INHALATION: If inhaled, remove to fresh air. Administer oxygen if necessary. Consult a physician if symptom persists or exposure was severe.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME: N/A

AUTOIGNITION TEMPERATURE: No data available.

EXTINGUISHING MEDIA: Use "alcohol" foam, dry chemical, or CO₂.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and unidentified organic compounds may be formed during combustion.

EXPLOSION HAZARDS: Bulk Dust in Contact with water or damp air evolves hydrogen. The heat produced during this reaction could ignite the hydrogen, an explosive condition could exist if this happens in a confined space. Dry dust forms explosive mixtures in air, if ignited.

FIRE FIGHTING PROCEDURES: Dry zinc dust will not ignite spontaneously; but once ignited, may burn readily in air. DO NOT SPREAD MATERIAL. Smother dry and allow fire to go out. Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Keep material out of storm sewers and ditches which lead to waterways.

GENERAL PROCEDURES: Personal Precaution: Wear approved respirator. If spilled, dust should be removed by vacuuming or sweeping to prevent heavy concentrations of airborne dust. Return

all clean up material to properly labeled containers. Prohibit smoking and avoid all ignition sources.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid spillage. Keep nuisance dust cloud formation to a minimum. No smoking while handling. Avoid breathing vapors or spray mist.

COMMENTS: Keep away from heat, sparks, open flames and oxidizing agents. Keep containers. Store in a cool, dry place with adequate ventilation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)					
				EXPOSURE LIMITS	
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ₃	ppm	mg/m ₃
Zinc (Dust or Fume)	TWA	NL	NL	NL	NL
	STEL	NL	NL	NL	NL
Lead	TWA	NL	NL	NL	NL
	STEL	NL	NL	NL	NL

OSHA TABLE COMMENTS:

NL = Not Listed

ENGINEERING CONTROLS: Provide exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical safety goggles and/or full face shield where splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

SKIN: Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

RESPIRATORY: If exposure may or does exceed occupational exposure limits (Section 8) use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134, use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

WORK HYGIENIC PRACTICES: Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

COMMENTS: May be harmful or fatal if swallowed. May irritate body tissues. Use with adequate ventilation. Avoid breathing vapor. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Solid

ODOR: Odorless

COLOR: Grey powder

pH: N/A = Not Applicable

VAPOR PRESSURE: Not Applicable

VAPOR DENSITY: Not Applicable

BOILING POINT: Not Applicable

FREEZING POINT: No data available

MELTING POINT: No data available.

SOLUBILITY IN WATER: Not Determined

EVAPORATION RATE: Not Applicable

DENSITY (LBS/GALLON): Not Applicable

SPECIFIC GRAVITY: 7.109

MOLECULAR WEIGHT: Not Applicable

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: Will not occur

POLYMERIZATION: Avoid heat, flame, and other sources of ignition.

CONDITIONS TO AVOID: Avoid heat, sparks, flame and contact with strong oxidizing agents. Prevent vapor accumulation.

HAZARDOUS DECOMPOSITION PRODUCTS: Under fire conditions, hot zinc dust that is exposed to water could generate Hydrogen gas. When welding, heating, or torch cutting surfaces coated with a zinc coating, zinc oxide fume can be produced and could cause "metal fume fever". Use

exhaust systems and proper breathing protection to avoid breathing the fumes resulting from these conditions.

INCOMPATIBLE MATERIALS: Strong oxidizers.

11. TOXICOLOGICAL INFORMATION

GENERAL COMMENTS: None identified.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Keep out of waterways.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: This material is a US EPA defined ignitable hazardous waste. The preferred options for disposal are to send to licensed reclaimers, or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local regulations. Do not dump into sewers, ground, or any body of water.

EMPTY CONTAINER: KEEP OUT OF REACH OF CHILDREN! Empty containers retain product residue and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition.

RCRA/EPA WASTE INFORMATION: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not Regulated

PRIMARY HAZARD CLASS/DIVISION: N/A

UN/NA NUMBER: N/A

PACKING GROUP: N/A

NAERG: N/A

LABEL: N/A

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: This product should be reported as an immediate (acute) health hazard, delayed (chronic) health hazard, and a fire hazard.

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: To the best of our knowledge, this product is not listed as a toxic chemical.

302/304 EMERGENCY PLANNING

EMERGENCY PLAN: To the best of our knowledge, this product is not listed as an extremely hazardous substance.

16. OTHER INFORMATION

REASON FOR ISSUE: New product.

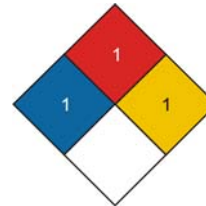
PREPARED BY: Robert D. Commisso / President

REVISION SUMMARY: New MSDS

HMIS RATING

Health	1
Flammability	1
Reactivity	1
Personal Protection	G

NFPA CODES



ADDITIONAL MSDS INFORMATION: Last revision 10/26/2009.

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