



Hummel Croton Inc.
10 Harmich Rd.
South Plainfield, NJ 07080
www.HummelCroton.com
Phone: 908-754-1800
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In Case Of Emergency Call
(U.S.) 800-424-9300
(International) +1-813-248-3924

Zinc Dust Safety Data Sheet

1. Product and Company

Product name: Zinc
Synonym: Zinc Powder
CAS-No.: 7440-66-6
Company: Hummel Croton Inc.
10 Harmich Rd.
South Plainfield, NJ 07080
Telephone: 908-754-1800
Fax: 908-754-1815

HMIS Rating	
Health	0
Flammability	1
Reactivity	1
Personal Protection	E

Emergency telephone number

Emergency Phone #: Chemtrec US: 800-424-9300
ChemTel International: +1-813-248-0585

2. Hazards

GHS Classification Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 1), H410

GHS Label elements

Pictogram(s)



Signal word **WARNING**

Hazard statement(s)

H410 Very toxic to aquatic life with long lasting effects

Precautionary statement(s)

P273 Avoid release to the environment.

P391 Collect spillage.

P501 Dispose of contents/ container to an approved waste disposal plant

Hazards not otherwise classified (HNOC) or not covered by GHS

None.

3. Composition/Ingredients

Substance

Formula: Zn

Molecular weight: 65.39 g/mol

CAS-No.: 7440-66-6

Material	CAS	%	OSHA	ACGIH
Zinc	7440-66-6	95-100%	15 mg/m ³ as Respirable Dust	15 mg/m ³ as Respirable Dust
Zinc Oxide	1314-13-2	0-5%	10 mg/m ³	5 mg/m ³

4. First Aid

First Aid For Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

First Aid For Skin: In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

First Aid For Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

First Aid For Ingestion: If swallowed, call a physician immediately.

5. Fire Data

Flammability: Non-Flammable

Flash Point: Not Applicable

Auto Ignition: Cloud 690°C, Layer 540°C

Flammable Limits: Not Applicable

Extinguishing Media: Smother and cool with suitable dry extinguisher agent (class D Fire) or sand. Do not use water.

Fire Fighting Procedure: Use NIOSH/MSHA approved self-contained breathing apparatus. Do not spread burning material. Smother and allow fire to go out. Dry zinc dust will not ignite spontaneously, but once ignited, may burn readily in air.

Fire/Explosion Hazards: Bulk dust in contact with water or damp air may evolve hydrogen. The heat produced during this reaction could ignite the hydrogen. An explosive condition may exist if this happens in a confined space. Dry dust may form a dust explosive mixture in air. Zinc oxide fume may result from combustion of zinc dust.

6. Accidental Release

Spill Or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water.

7. Handling And Storage

Storage Temperatures: Store at ambient temperature

Shelf Life: Unlimited in tightly sealed container

Special Sensitivity: None.

Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials. Reseal containers immediately after use. Store away from food and beverages.

8. Exposure Controls/Personal Protection

Eye Protection: Safety glasses or goggles.

Skin Protection: PVC gloves with impervious boots, apron or coveralls. Wash hands and face before eating, drinking or using tobacco.

Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.

Additional Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe handling of hazardous chemicals.

9. Physical And Chemical Properties

Physical Form: Fine Powder

Color: Blue-Gray

Odor: Odorless

Molecular Weight: 65.38 g/mol

Boiling Point: 1665°F

Melting/Freezing Point: 788°F

Solubility In Water: Reacts with water.

Specific Gravity: 7.11

10. Stability And Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibilities: Amines, cadmium, chlorinated solvents, sulfur, strong acids, strong bases.

Protect from moisture. Air sensitive.

Instable Conditions: Excessive temperatures (see incompatibilities).

Decomposition Temperature: Not established.

Decomposition Products: Unknown.

11. Toxicological Information

RTECS Number: ZG8600000

Routes of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity Data: Ihl-Hmn TCLo: 124 mg/m³/50M

Chronic Toxic Effects: This product has no known chronic effects. Repeated or prolonged exposure to this compound is not known to aggravate medical conditions.

Acute Toxic Effects: Irritating to the skin and eyes on contact. Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound. Inhalation may irritate the respiratory tract. Symptoms may include coughing, shortness of breath, sore throat and runny nose. If sufficient amounts are inhaled and absorbed, symptoms known as metal fume fever or "zinc shakes"; an acute, self-limiting condition without recognized complications. Symptoms of metal fume fever include chills, fever, muscular pain, nausea, and vomiting.

12. Ecological Information

Ecotoxicity: Not available at this time.

13. Disposal Considerations

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

14. Transportation Information

Proper Shipping Name: Zinc Dust

UN Number: N/A

Class: N/A

P.G.: N/A

Label Code: N/A

*This product has been tested using the applicable tests in Section 33 of the Second Revised Addition of the United Nations Recommendations on the Transportation of Dangerous Goods, Manual of Test and Criteria. Results of the testing show that the sample did not meet the minimum standards for classification into either Division 4.1 Flammable Solid or Division 4.3 Dangerous when Wet. Because it does not meet the classification criteria in paragraph 173.124, it is not a DOT hazardous material as shipped.

15. 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 320 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None
Section 313 Toxic Chemicals: This product may be subject to reporting.

16. Other Information

Prepared By: Michael Richard

Date: March 21, 2018

Reason For Issue: Emergency Contact Update

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