

MATERIAL SAFETY DATA SHEET

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Central Petroleum Company
201 East Lincoln Street
Walcott, IA 52773-0116

Phone Number: 563-284-6221
Monday-Friday, 8:00 a.m. – 3:45 p.m. CST
Fax Number: 563-284-5124
Emergency:
CHEMTREC 1-800-424-9300

Product Name: Columbia Zinc Dust Paint

Issued Date: 09/19/08
Supersedes: 04/07/08

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Appearance/Odor: Light gray liquid coating with solvent odor.

When handled properly, no acute or long term hazard is expected.

Potential Health Effects: See Section 11 for more information

Likely Routes of Exposure: Eye and skin contact.

Eye: Causes severe irritation, redness, tearing, and blurred vision.

Skin: Penetrates skin readily. Prolonged or repeated exposure can cause moderate irritation, defatting, and dermatitis.

Ingestion: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Aspiration of material into lungs can cause chemical pneumonitis, which can be fatal.

Inhalation: Can cause an anesthetic irritation of the respiratory tract or acute nervous system depression characterized by dizziness, staggering, and confusion.

Medical Conditions Aggravated By Exposure:

Pre-existing eye, skin, and respiratory disorders may be aggravated by exposure.

Target Organs: Kidneys, liver, blood and/or bone marrow

This product does not contain carcinogens or potential carcinogens as listed by IARC or NTP, but does contain carcinogens or potential carcinogens as listed by OSHA.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS#</u>	<u>% by Wt.</u>
Zinc Oxide/Zinc White, Chinese White	1314-13-2	16
Mineral Spirits/Stoddard Solvents	64742-88-7	2
Amorphous Silica	7631-86-9	1

MATERIAL SAFETY DATA SHEET

Section 4: FIRST AID MEASURES

- Eye Contact: Immediately flush eyes with water for at least 15 minutes. Seek medical attention if symptoms persist.
- Skin Contact: Remove contaminated clothing and wash before reuse. Remove excess from skin and wash skin with soap and water. Seek medical attention if irritation develops.
- Ingestion: Do NOT induce vomiting. Do NOT administer anything by mouth to an unconscious person. Seek immediate medical attention
- Inhalation: Move to fresh air. Give artificial respiration if victim is not breathing. Get medical attention if symptoms occur.

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Foam, CO₂, Dry Chemical.

Unsuitable Extinguishing Media:

Water may not be effective to extinguish fire.

Protection of Firefighters:

Firefighters should wear self-container breathing apparatus and full fire-fighting turnout gear. Fumes may contain carbon monoxide.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Remove all sources of ignition. Avoid breathing vapors. Use personal protection recommended in Section 8.

Environmental Precautions:

Ventilate area.

Methods for Containment:

Contain with inert absorbent and nonsparking tools

Methods for Clean-Up:

Remove with inert absorbent and nonsparking tools.

Other Information:

Contains solvent.

Section 7: HANDLING AND STORAGE

Handling:

Keep away from heat, sparks, and open flames. Use with adequate ventilation. Avoid prolonged or repeated breathing of vapors. Avoid prolonged or repeated skin contact. Do not leave containers open. Ground containers while pouring.

Storage:

Store in tightly closed containers. Keep away from heat, sparks, and open flames.

MATERIAL SAFETY DATA SHEET

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Zinc Oxide	ACGIH TLV:	10MG/M ³
Mineral Spirits	OSHA PEL:	500 ppm
	ACGIH TLV:	100 ppm
Amorphous Silica	ACGIH TLV:	10MG/M ³
	Other:	20MPPCF

Engineering Controls:

Local exhaust is preferable; however, general mechanical is acceptable. Sufficient ventilation, in volume and pattern, should be provided to keep the vapor concentration below applicable OSHA requirements.

Eye/Face Protection:

Wear chemical splash goggles when eye contact is possible due to splashing or spraying of material.

Skin Protection:

Use neoprene gloves to prevent skin contact

Respiratory Protection:

In restricted areas, use approved chemical mechanical filters to remove gas and vapors.
In a confined area, use approved airline type respirators or hoods.

Other Protective Equipment:

Safety showers and eyewash fountains should be available for use in an emergency.

General Hygiene Considerations:

Wash hands before eating or using washroom. Smoke in smoking areas only.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Color:	Light gray
Odor:	Solvent odors
Odor Threshold:	Not available
Physical State:	Liquid
pH:	Not available
Melting/Freezing Point:	Not applicable
Boiling Points:	307 °F (153°C)
Flash Point:	103 °F (39.4°C) (TCC)
Evaporation Rate:	Slower than ether
Upper Flammability Limit in Air by Volume:	5.00000
Lower Flammability Limit in Air by Volume:	.90000
Vapor Density:	Heavier than air
Specific Gravity (H ₂ O=1):	2.81
Solubility (H ₂ O):	Insoluble

MATERIAL SAFETY DATA SHEET

Partition Coeff (n-octane/H₂O) log K_{ow} = Not available
Auto Ignition Temperature Not available
Decomposition Temperature: Not available
Volatile Organic Compound .36 lb/gl
(VOC) Content, wt %:

<u>Component</u>	<u>Vapor Pressure (mmHg @ temp)</u>	
Zinc Oxide	0.00000	0.00000
Mineral Spirits	3.00000	68.00000
Amorphous Silica	0.00000	0.00000

Section 10: STABILITY AND REACTIVITY

Stability:

Stable

Conditions to Avoid:

Elevated temperatures and open containers.

Incompatible Materials:

Avoid strong oxidizing materials.

Hazardous Decomposition Products:

May produce hazardous fumes when heated to decomposition as in welding. Fumes may contain carbon monoxide.

Hazardous Polymerization:

Will not occur.

Section 11: TOXICOLOGICAL INFORMATION

Acute Effects:

Anesthetic irritation of respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering, and confusion.

Irritation: Causes skin and eye irritation.

Chronic Effects:

Frequent or widespread contact may result in absorption of potentially harmful amounts which can cause damage to kidneys, liver, blood and/or bone marrow.
Extensive and continued overexposure may result in respiratory or skin sensitivity.

Carcinogenicity:

NTP: No

IARC: No

OSHA REG: Yes

Section 12: ECOLOGICAL INFORMATION

No data available.

MATERIAL SAFETY DATA SHEET

Section 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with local, state and federal regulations. Incinerate in approved facility. Do not incinerate in closed containers.

Section 14: TRANSPORT INFORMATION

DOT Classification:

Combustible Liquid.

Section 15: REGULATORY INFORMATION

SARA 313 Information:

<u>Component</u>	<u>CAS#</u>	<u>% by Wt.</u>
Zinc Oxide/Zinc White, Chinese White	1314-13-2	4

Section 16: OTHER INFORMATION

NFPA 704: National Fire Protection Association

Health = 1 Flammability = 2 Reactivity = 0

0 = minimal hazard, 1 = slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard

Disclaimer:

This information has been compiled from sources considered to be dependable and is accurate to the best of Central Petroleum Company's knowledge; however, the Central Petroleum Company makes no warranty whatsoever, expressed or implied, of merchantability or fitness for particular purpose regarding the accuracy of such data or the results to be obtained from the use thereof. The Central Petroleum Company assumes no responsibility for injury to recipient or third persons or for any damage to any property and recipient assumes all such risks.