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 Metal Aluminum Paint
Common Name: Oil base Paint

Issued Date: 09/19/08
Supersedes: 07/16/08

Section 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Appearance/Odor: Silver liquid with paint odor.

Potential Health Effects: See Section 11 for more information

Likely Routes of Exposure: Eye and skin contact

Eye: May cause moderate eye irritation, including pain, tearing, redness, and swelling.

Skin: May cause moderate skin irritation, including redness, swelling, and rash. Prolonged contact may cause skin damage, defatting, drying, dermatitis, and a photosensitization effect.

Ingestion: Expected to be moderately toxic. May cause gastrointestinal irritation, including sore throat, abdominal pain, nausea, vomiting, and diarrhea. Ingestion may cause central nervous system depression. May cause red blood cell hemolysis leading to kidney and liver damage. Extreme cases of intoxication may cause unconsciousness and death. Aspiration of material into lungs, during ingestion or vomiting may cause severe lung damage.

Inhalation: May cause irritation to the nose, throat, respiratory tract, and other mucous membranes. Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function. Exposure to high concentrations of vapor may cause central nervous system depression. Symptoms of central nervous system depression include headache, dizziness, and nausea. Intentional misuse by deliberate concentration and inhalation of this material may be harmful or fatal.

This material may contain components classified as nuisance particulates, which may be present at hazardous levels only during sanding or abrading of the dried film

Medical Conditions Aggravated By Exposure:

May cause more significant irritation in people with pre-existing skin, eye, and respiratory conditions. Impaired central nervous system functions from preexisting disorders may be aggravated by exposure to this product.

This product contains no carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	% by Wt.
Aluminum	7429-90-5	5-10
Zinc Oxide	1314-13-2	5-10
Mineral Spirits	8052-41-3	1-5
Aliphatic Hydrocarbon	64742-48-9	1-5
Light Aromatic Naphtha	64742-95-6	1-5

Section 4: FIRST AID MEASURES

Eye Contact: Flush eyes with water for at least 15 minutes. Seek immediate medical attention.

Skin Contact: Remove contaminated clothing and wash before reuse. Remove excess from skin and wash with soap and water. Seek medical attention if symptoms persist.

Ingestion: Do NOT induce vomiting. If vomiting spontaneously occurs, have the victim lean forward to reduce the risk of aspiration. Seek immediate medical attention. Due to the aspiration dangers, the decision of whether or not to induce vomiting should be made by a physician.

Inhalation: Move to fresh air. Provide oxygen if breathing is difficult. Provide artificial respiration if the victim is not breathing. Seek medical attention immediately.

Section 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Water fog, carbon dioxide, dry chemical, or foam. Water may be used to cool and protect exposed containers.

Protection of Firefighters:

Firefighters should wear self-contained breathing apparatus and full fire-fighting turnout gear.

Unusual Fire and Explosion Hazards:

Containers exposed to intense heat from fires can be cooled with water to prevent container rupture. Containers exposed to direct flame contact should be cooled with large quantities of water to prevent weakening of container structure.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Extinguish all possible sources of ignition. Use personal protection recommended in Section 8.

Environmental Precautions:

Prevent entry into sewers and waterways.

Methods for Clean-Up:

For large spills, clean up with vacuum trucks or pump into storage/salvage vessels. Soak up residue with an absorbent material (clay, sand, or similar material). Place in

tightly sealed containers for disposal. Flush contaminated area with water to remove trace residue.

For small spills, clean up with an absorbent material and put in tightly sealed containers for disposal.

Other Precautions:

If a vapor cloud forms, use water fog to suppress and contain runoff.

Section 7: HANDLING AND STORAGE

Handling:

Keep away from heat, sparks, and open flame. Extinguish all possible ignition sources prior to use and until vapors are gone. Sufficiently hot surfaces may ignite product in the absence of spark or flame. Vapors may accumulate and travel to ignition sources distant from handling site and flash back. Use approved bonding and grounding procedures. Use explosion-proof electrical equipment. Do not use compressed air when filling, discharging, or handling. Keep containers tightly sealed when not in use. Transfer only to approved containers with complete and appropriate labeling. Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Do not take internally.

Empty containers may contain residue. Do not cut, weld, braze, solder, drill, grind, or expose containers to heat, flame, spark, or other ignition sources.

Storage:

Keep container in a cool, well-ventilated area. Avoid possible sources of ignition. Keep containers tightly closed. Keep away from aerosols, flammables, oxidizing agents, and corrosives.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines:

Aluminum		
	ACGIH TWA:	10 Mg/M^3
	OSHA TWA:	15 Mg/M^3
Zinc Oxide		
	ACGIH Ceiling:	5 Mg/M^3
	OSHA Ceiling:	5 Mg/M^3
Mineral Spirits		
	ACGIH TWA:	100 ppm (As Stoddard Solvent)
	OSHA TWA:	500 ppm (As Stoddard Solvent)
Aliphatic Hydrocarbon		
	ACGIH TWA:	100 ppm (As Stoddard Solvent)
	OSHA TWA:	500 ppm (As Stoddard Solvent)
Nuisance Dusts		
	ACGIH TLV:	10 Mg/M^3 (Total Dust)
	OSHA PEL:	15 Mg/M^3 (Total Dust)

Engineering Controls:

Sufficient ventilation, in volume and pattern, should be provided to keep the vapor concentration below applicable OSHA requirements.

Eye/Face Protection:

Wear safety glasses, goggles, or a splash shield to prevent eye contact.

Skin Protection:

Wear gloves and other protective clothing as necessary to prevent contact with material.

Respiratory Protection:

If exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted NIOSH approved respirator.

When sanding or abrading the dried film, wear a NIOSH/MSHA approved dust/mist respirator to protect from dust that may be generated from this product, underlying paint, or the abrasive.

General Hygiene Considerations:

Wash hands before eating, drinking, or using the washroom.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Color:	Silver
Odor:	Paint
Physical State:	Liquid
PH:	Not available
Freezing Point:	Not available
Boiling Point:	Not available
Flash Point:	103°F +/- 2° (39.4°C) (Setaflash)
Evaporation Rate:	Slower than ether
Upper Flammability Limit:	Not available
Lower Flammability Limit:	Not available
Vapor Density:	Greater than air
Specific Gravity:	0.97 (Theoretical)
Solubility (H_2O):	Not available
Weight per gallon:	8.07 (Theoretical)
Percent Volatile, wt %:	46.77 (Theoretical)
Percent Volatile, volume %:	57.96 (Theoretical)
Volatile Organic Compound (VOC) Content:	3.7735 lbs/gal
Viscosity:	Not available

Section 10: STABILITY AND REACTIVITY

Stability:

Stable.

Conditions to Avoid:

Heat, sparks, and open flames.

Incompatible Materials:

Avoid oxidizing materials, strong acids, strong alkalies, water contamination, and chlorinated compounds.

Hazardous Decomposition Products:

Combustion products include carbon dioxide, carbon monoxide, and unidentified organic compounds.

Hazardous Polymerization:

Will not occur.

Section 11: TOXICOLOGICAL INFORMATION

Acute Effects:

Eye:	May cause moderate eye irritation, including pain, tearing, redness, and swelling.
Skin:	May cause moderate skin irritation, including redness, swelling, and rash. Prolonged contact may cause skin damage, defatting, drying, and dermatitis.
Ingestion:	Expected to be moderately toxic. May cause gastrointestinal irritation, including sore throat, abdominal pain, nausea, vomiting, and diarrhea. Ingestion may cause central nervous system depression. May cause red blood cell hemolysis leading to kidney and liver damage. Extreme cases of intoxication may cause unconsciousness and death. Aspiration of material into lungs, during ingestion or vomiting, may cause severe lung damage.
Inhalation:	May cause irritation to the nose, throat, respiratory tract, and other mucous membranes. Symptoms of respiratory irritation include runny nose, sore throat, coughing, chest discomfort, shortness of breath, and reduced lung function. Exposure to high concentrations of vapor may cause central nervous system depression. Symptoms of central nervous system depression include headache, dizziness, and nausea. Intentional misuse by deliberate concentration and inhalation of this material may be harmful or fatal.

Chronic Effects:

Prolonged occupational overexposure to solvents has been associated with permanent brain and nervous system damage. Chronic overexposure may cause loss of memory, loss of intellectual ability, and loss of coordination. Chronic overexposure may cause kidney damage.

Carcinogenicity:

This product contains no carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Section 12: ECOLOGICAL INFORMATION

No data available.

Section 13: DISPOSAL CONSIDERATIONS

Dispose of in accordance with federal, state, and local regulations.

Section 14: TRANSPORT INFORMATION

US Department of Transportation Classification:

Combustible liquid.

Section 15: REGULATORY INFORMATION

SARA 313 Information:

Component	CAS#	% by Wt.
Aluminum	7429-90-5	5-10
Zinc Oxide	1314-13-2	5-10

Section 16: OTHER INFORMATION

NFPA 704: National Fire Protection Association

Health = 2 Flammability = 2 Reactivity = 1

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.