Safety Data Sheet

Revision Date: 06-08-2015
Product Code: 39906

1. IDENTIFICATION

Product Name	**CHEM-O-Z QD ZINC RICH PRIMER**
Product Code	39906
Document ID	G39906
Revision Number	1
Prior Version Date	None
Intended Use	Metallic Pigmented Coating
Restrictions On Use	For Industrial Use Only
Chemical Family	Epoxy Coating
Chemical Manufacturer / Importer	JONES-BLAIR® Company, LLC 2728 Empire Central Dallas, TX 75235 1-214-353-1600
Emergency Telephone Number:	ChemTrec Center 1-800-424-9300 **International:** 703-527-3887

2. HAZARD(S) IDENTIFICATION

Classification of the chemical in accordance with paragraph (d) of §1910.1200;

Hazard Pictograms

GHS Classification

Skin Sensitisation Category 1
Flammable Liquid Category 2
Carcinogenicity Category 2
Acute Toxicity - Inhalation Vapour Category 4

Signal Word

Danger

Hazard Statements

Highly flammable liquid and vapour. May cause an allergic skin reaction. Harmful if inhaled. Suspected of causing cancer.

Precautionary Statements

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat, sparks, open flames and hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust, fume, mist, vapours or spray. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing, eye protection and face protection. Use personal protective equipment as required.

Response

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF exposed or concerned:

	Get medical attention. Call a POISON CENTER or physician if you feel unwell. If skin irritation or rash occurs: Get medical attention. Wash contaminated clothing before reuse. In case of fire: Use alcohol resistant foam, carbon dioxide, dry chemical, or water spray for extinction.
Storage	Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents and container in accordance with all local, regional, national and international regulations.
Hazards Not Otherwise Classified (HNOC)	Not applicable

Additional Information

Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Component	CAS #	%
Polymer of Epoxy Resin and bisphenol A	25036-25-3	3 - 7
Xylene	1330-20-7	1 - 5
Bisphenol-A-diglycidylether	25068-38-6	1 - 5
Zinc oxide	1314-13-2	1 - 5
Propylene Glycol Methyl Ether	107-98-2	1 - 5
4-Methyl-2-pentanone	108-10-1	1 - 5
Ethylbenzene	100-41-4	0.1 - 1

The specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST-AID MEASURES

Inhalation	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.
Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin Contact	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists. Thoroughly wash or discard clothing and shoes before reuse.
Ingestion	If swallowed, do not induce vomiting. Get medical attention immediately. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

Most Important Acute Symptoms and Effects	Not Available
Most Important Delayed Symptoms and Effects	Not Available
Special treatment needed:	Pre-existing disorders of the following organs may be aggravated by exposure to this material: skin, lung (for example, asthma-like symptoms)

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Use alcohol resistant foam, carbon dioxide, or dry chemical extinguishing agents. Water spray or fog may also be effective for extinguishing if swept across the base of the fire. Water can also be

	used to absorb heat and minimize fire damage.
Unsuitable Extinguishing Media	No data available
Fire and/or Explosion Hazards	Vapors may be ignited by sparks, flames or other sources of ignition if material is above the flash point giving rise to a fire (Class B). Vapors are heavier than air and may travel to a source of ignition and flash back. Container may explode in heat of fire.
Hazardous Combustion Products	Hydrogen, Carbon dioxide, Carbon monoxide, Sulfur containing gases, Toxic gases
Special Protective Equipment and Precautions for Fire-Fighters	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products. Do not enter fire area without proper protection including self- contained breathing apparatus and full protective equipment.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section VIII of this SDS. Additional precautions may be necessary based on special circumstances created by the spill including the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
Methods and Material for Containment and Cleaning Up	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Dike with suitable absorbent material. Gather and store in a sealed container pending disposal. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area. As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. May form flammable dust-air mixtures. Guard against dust accumulation of this material. Remove contaminated clothing and wash before reuse.
Conditions for Safe Storage	Store in a cool dry place. Keep container(s) closed. Keep away from sources of ignition.
Materials to Avoid/Chemical Incompatibility	Oxidizing agents, Acids, Caustics (bases, alkalis), Water, Moisture

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical Component	OSHA PEL	ACGIH TLV-TWA	ACGIH STEL
Xylene	100 ppm TWA; 435 mg/m³ TWA	100 ppm TWA; 434 mg/m³ TWA	150 ppm STEL; 651 mg/m3 STEL
Zinc oxide	5 mg/m³ TWA (respirable dust); 15 mg/m³ TWA (total dust)	2 mg/m³ TWA (respirable dust)	10 mg/m³ (respirable dust)
1-Methoxy-2-hydroxypropane		100 ppm TWA; 369 mg/m3 TWA	150 ppm STEL; 553 mg/m3 STEL
Methyl Isobutyl Ketone	100 ppm TWA; 410 mg/m3 TWA	50 ppm TWA; 205 mg/m3 TWA	75 ppm STEL; 307 mg/m3 STEL

Ethylbenzene	100 ppm TWA; 435 mg/m³ TWA	100 ppm TWA; 434 mg/m³ TWA	125 ppm STEL; 543 mg/m³ STEL

Appropriate Engineering Controls	Local exhaust ventilation or other engineering controls may be required when handling or using this product to avoid overexposure. Engineering controls must be designed to meet the OSHA chemical specific standard in 29 CFR 1910. Explosion proof exhaust ventilation should be used.
Respiratory Protection	General or local exhaust ventilation is the preferred means of protection. In cases where ventilation is inadequate, respiratory protection may be required to avoid overexposure. Follow respirator manufacturer's directions for respirator use.
Eye Protection	Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.
Skin Protection	Where use can result in skin contact, practice good personal hygiene. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work. Clothing suitable to prevent skin contact.
General Hygiene Conditions	As with all chemicals, good industrial hygiene practices should be followed when handling this material. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. May form flammable dust-air mixtures. Guard against dust accumulation of this material. Remove contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State	Liquid
Color	Brown
Odor	Odorless
Odor Threshold	No data available
pH	No data available
Melting Point/Freezing Point (°F/°C)	No data available / No data available
Initial Boiling Point and Boiling Range	
Low (°F)	1,664.6
Flash Point (°F/°C)	51 / 11
Flammability (solid, gas)	No data available
Upper Flammable/Explosive Limit	No data available
Lower Flammable/Explosive Limit	No data available
Vapor Density	No data available
Relative Density	7.140
Solubility in Water	Minimal; 1-9%
Partition coefficient: n-octanol/water	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature:	No data available
Viscosity	90 - 110 KU
Volatiles, % by volume	38.29
Volatiles, % by weight	11.55
Volatile Organic Chemicals (g/L)	
(Regulatory, Calculated)	329.21
(Actual, Calculated)	329.20
Density	22.83 - 24.83 lbs./Gal

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal conditions.
Possibility of Hazardous Reactions	No data available
Conditions to Avoid	Sparks, open flame, other ignition sources, and elevated temperatures. Contamination. Contact with water. Elevated

temperatures.

Incompatible Materials	Oxidizing agents, Acids, Caustics (bases, alkalis), Water, Moisture
Hazardous Decomposition Products	Hydrogen, Carbon dioxide, Carbon monoxide, Sulfur containing gases, Toxic gases

11. TOXICOLOGICAL INFORMATION

Routes of Exposure
Inhalation
Skin contact
Eye contact
Ingestion
Skin absorption

Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation	May cause respiratory tract irritation. Causes lung irritation. Causes nose and throat irritation.
Inhalation Toxicity	Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea.
Skin Contact	Can cause moderate skin irritation. May cause allergic skin reaction.
Skin Absorption	May be harmful if absorbed through skin.
Eye Contact	Causes eye irritation.
Ingestion Toxicity	Harmful if swallowed. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

Long-Term (Chronic) Health Effects

Carcinogenicity	Possible cancer hazard. Contains ethylbenzene which may cause cancer based on animal data. (Risk of cancer depends on duration and level of exposure.)
Reproductive and Developmental Toxicity	Xylene may cause adverse reproductive and/or developmental effects. Pregnant women may be at an increased risk from exposure. Contains 1-Methoxy-2-hydroxypropane which has been shown to cause harm to the fetus in laboratory animal studies. Harm to the fetus occurs only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.
Mutagenicity	Xylene has been shown to be positive in mutagenicity assays.
Inhalation	Dust and fumes can cause nausea, gastric pain and irritation to the upper respiratory tract. Prolonged and continuous exposure within hours of ZnO formation (from burning zinc) may cause metal fume fever. Symptoms are chills, metallic taste, severe headache. Symptoms often persist for 24 hours. NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
Skin Contact	Prolonged contact may cause an allergic skin reaction.
Skin Absorption	Upon prolonged or repeated exposure, harmful if absorbed through the skin.

Product Toxicology Data

Inhalation Dust/Mist Acute Toxicity Estimate (ATE)	31.85 mg/L
Dermal Acute Toxicity Estimate (ATE)	20,718.48 mg/kg

Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
Zinc	Oral LD50 Rat > 2000 mg/kg	Dermal LD50 Rabbit > 5000 mg/kg	Inhalation LC50 (4h) Rat > 5.40 mg/L

Polymer of Epoxy Resin and bisphenol A	Oral LD50 > 2000 mg/kg	Dermal LD50 Rat > 2000 mg/kg	
Xylene	Oral LD50 Rat 3523 mg/kg	Dermal LD50 Rabbit 1100 mg/kg	Inhalation LC50 (4h) Rat 11.00 mg/L
Bisphenol-A-diglycidylether	Oral LD50 > 2000 mg/kg	Dermal LD50 > 2000 mg/kg	
Zinc oxide	Oral LD50 Mouse 7950 mg/kg		Inhalation LC50 Mouse 2,500.00 mg/m³
1-Methoxy-2-hydroxypropane	Oral LD50 Rat 7200 mg/kg	Dermal LD50 Rabbit 13,000 mg/kg	Inhalation LC50 Rat 1,500.00 ppm
4-Methyl-2-pentanone	Oral LD50 Rat 2080 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (4h) Rat 8.20 - 16.40 mg/L
Ethylbenzene	Oral LD50 Rat 3500 mg/kg	Dermal LD50 Rabbit 5510 mg/kg	Inhalation LC50 (4h) Rat 17.00 mg/L

Carcinogen Information

Chemical Name	IARC Carcinogen	OSHA Carcinogen	NTP Carcinogen
4-Methyl-2-pentanone	2B		
Ethylbenzene	2B		

12. ECOLOGICAL INFORMATION

Ecotoxicity (aquatic and terrestrial, where available) No data available

Mobility in soil No data available

13. DISPOSAL CONSIDERATIONS

Safe Handling of Waste Refer to other sections of this SDS to determine the toxicity and physical characteristics of the material to determine the proper waste identification and disposal in compliance with applicable regulations.

14. TRANSPORT INFORMATION

This section provides basic shipping classification information and does not contain all regulatory transportation details. Refer to all applicable regulations for domestic, international, air, vessel and ground transportation requirements and restrictions.

DOT Basic Description: Paint
Hazard Class: 3
UN Number: UN1263
Packing Group: II
Other: This product qualifies for a limited quantity exception per CFR173.150(b)(2) and 172.102 Special Provision 149 for inner containers <= 1.3 gallons (5L) and total gross package wt <= 66 lbs (30kg).

Marine Pollutant: No

15. REGULATORY INFORMATION

TSCA Status All components of this product are either listed on the TSCA Inventory; or, are not subject to the inventory notification requirements.

Regulated Components

SARA EHS Chemicals	CAS #	%
Formaldehyde	50-00-0	0.01 - 0.1
Epichlorohydrin	106-89-8	< 0.1 ppm

CERCLA

Zinc	7440-66-6	50 - 70
Xylene (mixed isomers)	1330-20-7	1 - 5
Methyl Isobutyl Ketone	108-10-1	1 - 5
Ethyl Benzene	100-41-4	0.1 - 1

SARA 313

Zinc	7440-66-6	50 - 70
Xylene (mixed isomers)	1330-20-7	1 - 5
Zinc Oxide	1314-13-2	1 - 5
Methyl Isobutyl Ketone	108-10-1	1 - 5
Ethylbenzene	100-41-4	0.1 - 1

SARA 311/312

Health (Acute):	Y
Health (chronic):	Y
Fire (Flammable):	Y
Pressure:	N
Reactivity:	N

U. S. State Regulations:

California Prop 65 Chemicals

Cancer	**CAS #**	**%**
Ethyl Benzene	100-41-4	0.1 - 1
Formaldehyde	50-00-0	0.01 - 0.1
Crystalline Silica	14808-60-7	0.001- 0.01
Lead	7439-92-1	0.001- 0.01
Cadmium	7440-43-9	0.001- 0.01
Benzene	71-43-2	< 10 ppm
Phenyl glycidyl ether	122-60-1	< 1 ppm
1-Chloro-2,3-epoxypropane	106-89-8	< 0.1 ppm
Reproductive		
Methyl Isobutyl Ketone	108-10-1	1 - 5
Toluene	108-88-3	0.01 - 0.1
Lead	7439-92-1	0.001- 0.01
Benzene	71-43-2	< 10 ppm

Canadian Regulations:

CEPA DSL:	The components of this product ARE listed on the Canadian Domestic Substances List.
WHMIS Hazard Class:	B2 D2A

16. OTHER INFORMATION

Revision Date	06-08-2015
Disclaimer	This SDS has been prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Canada's Controlled Product Regulations (CPR). To the best of our knowledge the information contained herein is accurate. Determination of safe handling, application and use of this material is the responsibility of the end user. This information is furnished without warranty, expressed or implied.