Safety Data Sheet

Revision Date: 11-05-2015
Product Code: 33314

1. IDENTIFICATION

Product Name	**CHEM-O-PON EPOXY LOW VOC PRIMER - 0.75GL**
Product Code	33314
Document ID	G33314
Revision Number	1
Prior Version Date	None
Intended Use	Industrial Maintenance Primer
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
Carcinogenicity Category 1A
Flammable Liquid Category 2
Skin Corrosion/Irritation Category 2
Serious Eye Damage/Eye Irritation Category 2

Signal Word

Danger

Hazard Statements

Highly flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause 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. Wash thoroughly after handling. 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 IN EYES: Rinse cautiously with water for

	several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: Get medical attention. Take off contaminated clothing and wash 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	10 - 30
Titanium dioxide	13463-67-7	10 - 30
Cristobalite (Silica-Crystalline)	14464-46-1	3 - 7
Acetone	67-64-1	3 - 7
Methyl Amyl Ketone	110-43-0	3 - 7
Parachlorobenzotrifluoride (PCBTF)	98-56-6	1 - 5
Epoxidized Alkyl Phenol	68413-24-1	1 - 5
Ethylene glycol mono-n-butyl ether	111-76-2	1 - 5
n-Butyl alcohol	71-36-3	1 - 5
Quartz (Silica-Crystalline)	14808-60-7	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.

Most Important Acute Symptoms and Effects	Not Available
Most Important Delayed Symptoms and Effects	Not Available
Special treatment needed:	No additional first aid information available

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 heat, sparks, flames or other sources of ignition at or above the low flash point giving rise to a Class B fire. 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	Carbon dioxide, Carbon monoxide, Toxic fumes, Toxic gases, Hydrocarbons
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. Flammable component(s) of this material may be lighter than water and burn while floating on the surface. 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.

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. Follow all protective equipment recommendations provided in Section VIII. Use spark-proof tools and explosion-proof equipment.
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), Alkaline earth metals

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical Component	OSHA PEL	ACGIH TLV-TWA	ACGIH STEL
Titanium dioxide	15 mg/m³ TWA (total dust)	10 mg/m³ TWA	

Calcium Metasilicate (Particles Not Otherwise Classified)	50 mppcf (15mg/m³) TWA Total Dust; 15 mppcf (5mg/m³) TWA Respirable fraction		
tert-butyl acetate	200ppm; 950mg/m³ TWA	200ppm TWA	
Cristobalite (Silica-Crystalline)	see Table Z-3	0.05 mg/m3 TWA (this TLV is for the respirable fraction of dust)	
Acetone	1000 ppm TWA; 2400 mg/m³ TWA	500 ppm TWA; 1188 mg/m³ TWA	750 ppm STEL; 1782 mg/m³ STEL
Methyl Amyl Ketone	100ppm; 465mg/m³ (TWA)	50ppm; 233mg/m³ TWA	
Butoxy Ethanol	50 ppm TWA; 240 mg/m³ TWA	20 ppm TWA; 97 mg/m³ TWA	
Zinc Phosphate (Nuisance Dust)	5 mg/m³ (Resipirable Fraction) 15 mg/m³ (Total Dust)		
n-Butyl alcohol	100 ppm TWA; 300 mg/m3 TWA	20 ppm TWA; 61 mg/m3 TWA	
Talc	2mg/m³ (Respirable Dust)	20 mppcf TWA	
Quartz (Silica-Crystalline)	see Table Z-3	0.05 mg/m³ TWA (respirable fraction)	

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.
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.
Other Protective Equipment	Nitrile Neoprene
General Hygiene Conditions	As with all chemicals, good industrial hygiene practices should be followed when handling this material. Follow all protective equipment recommendations provided in Section VIII. Use spark-proof tools and explosion-proof equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State	Liquid
Odor	Sweet
Odor Threshold	No data available
pH	No data available
Melting Point/Freezing Point (℉/℃)	No data available / No data available
Initial Boiling Point and Boiling Range	
Low (℉)	208.4
High (℉)	302.0
Flash Point (℉/℃)	4 / -16

Evaporation Rate	7.70
Flammability (solid, gas)	No data available
Upper Flammable/Explosive Limit	7.9 %
Lower Flammable/Explosive Limit	1.1 %
Vapor Pressure	~ 41.50 (mm Hg @ 77° F / 25º C)
Vapor Density	4.00 (air = 1)
Relative Density	1.439
Solubility in Water	Complete; 100%
Partition coefficient: n-octanol/water	No data available
Auto-ignition Temperature	No data available
Decomposition Temperature:	No data available
Viscosity	20 - 30 Z4
Volatiles, % by volume	48.77
Volatiles, % by weight	29.98
Volatile Organic Chemicals (g/L)	
(Regulatory, Calculated)	250.43
(Actual, Calculated)	183.14
Density	11.81 - 12.31 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. Elevated temperatures. Contamination.
Incompatible Materials	Oxidizing agents, Acids, Caustics (bases, alkalis), Alkaline earth metals
Hazardous Decomposition Products	Carbon dioxide, Carbon monoxide, Toxic fumes, Toxic gases, Hydrocarbons

11. TOXICOLOGICAL INFORMATION

Routes of Exposure

Inhalation
Skin contact
Eye contact
Ingestion
Skin absorption

Immediate (Acute) Health Effects by Route of Exposure

Inhalation Irritation	Causes lung irritation. Causes nose and throat irritation. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.
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.

Long-Term (Chronic) Health Effects

Carcinogenicity	Contains Titanium Dioxide which is listed by IARC as possibly carcinogenic to humans (Group 2B). This listing is based on inadequate evidence with respect to humans and sufficient evidence in experimental animals. Cancer hazard: Contains Crystalline Silica, which can cause cancer. Risk of cancer depends on duration and level of exposure to dust generated from sanding surfaces or spray mists.
Reproductive and Developmental Toxicity	Contains butoxy ethanol which has been shown to cause harm to the fetus in laboratory animal studies. The relevance of these findings to humans is

uncertain.

Inhalation 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.
Overexposure may cause lung damage.

Skin Contact Prolonged contact may cause an allergic skin reaction.

Skin Absorption Upon prolonged or repeated exposure, harmful if absorbed through the skin. May cause minor systemic damage.

Product Toxicology Data

Oral Acute Toxicity Estimate (ATE)	3,472.06 mg/kg
Inhalation Vapor Acute Toxicity Estimate (ATE)	54.67 mg/L

Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
Polymer of Epoxy Resin and bisphenol A	Oral LD50 > 2000 mg/kg	Dermal LD50 Rat > 2000 mg/kg	
Titanium dioxide	Oral LD50 Rat > 25,000 mg/kg	Dermal LD50 Rabbit > 10,000 mg/kg	Inhalation LC50 (4h) Rat > 6.82 mg/L
Calcium Metasilicate (Particles Not Otherwise Classified)	50 mppcf (15mg/m³) TWA Total Dust; 15 mppcf (5mg/m³) TWA Respirable fraction		
tert-butyl acetate	200ppm; 950mg/m³ TWA	200ppm TWA	
Acetone	1000 ppm TWA; 2400 mg/m³ TWA	500 ppm TWA; 1188 mg/m³ TWA	750 ppm STEL; 1782 mg/m³ STEL
Methyl Amyl Ketone	100ppm; 465mg/m³ (TWA)	50ppm; 233mg/m³ TWA	

Carcinogen Information

Chemical Name	IARC Carcinogen	OSHA Carcinogen	NTP Carcinogen
Titanium dioxide	2B		
Cristobalite (Silica-Crystalline)	1		1
Talc	2B		
Quartz	1		1

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.

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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
CERCLA		
tert-Butyl acetate	540-88-5	5 - 10
Acetone	67-64-1	3 - 7
n-Butyl alcohol	71-36-3	1 - 5
SARA 313		
Ethylene glycol mono-n-butyl ether	111-76-2	1 - 5
Trizinc diphosphate	7779-90-0	1 - 5

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 #**	**%**
Titanium dioxide	13463-67-7	10 - 30
Cristobalite (Silica, Crystalline (Respirable Size))	14464-46-1	3 - 7
Crystalline Silica	14808-60-7	0.1 - 1
Ethyl Benzene	100-41-4	0.01 - 0.1
Formaldehyde	50-00-0	0.01 - 0.1
Carbon Black	1333-86-4	0.01 - 0.1
Lead	7439-92-1	< 10 ppm
Cadmium	7440-43-9	< 1 ppm
Benzene	71-43-2	< 1 ppm
Reproductive		
Lead	7439-92-1	< 10 ppm
Methyl Alcohol	67-56-1	< 1 ppm

Not applicable

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	11-05-2015
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.