Safety Data Sheet

Revision Date: 09-01-2015
Product Code: 33010

1. IDENTIFICATION

Product Name	**UREPRIME HS2 PRIMER WHITE**
Product Code	33010
Document ID	G33010
Revision Number	1
Prior Version Date	None
Intended Use	Industrial Maintenance Primer
Restrictions On Use	For Industrial Use Only
Chemical Family	Epoxy Urethane
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
Reproductive Toxicity Category 1B
Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 1
Serious Eye Damage/Eye Irritation Category 2
Carcinogenicity Category 2
Flammable Liquid Category 3

Signal Word

Danger

Hazard Statements

Flammable liquid and vapour. May cause an allergic skin reaction. Causes serious eye irritation. Suspected of causing cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure.

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. Do not breathe dust, fume, mist, vapours or spray. Wash thoroughly after handling. Do no eat, drink or smoke when using this product. 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. Get medical attention if you feel unwell. If skin irritation or rash occurs: Get medical attention. If eye irritation persists: 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 #	%
Titanium dioxide	13463-67-7	7 - 13
Methyl Amyl Ketone	110-43-0	7 - 13
Quartz (Silica-Crystalline)	14808-60-7	5 - 10
Polymer of Epoxy Resin and bisphenol A	25036-25-3	5 - 10
n-Butyl acetate	123-86-4	3 - 7
Ethyl 3-ethoxypropionate	763-69-9	1 - 5
Xylene	1330-20-7	1 - 5
1,5-Pentanediol, 3-methyl-	4457-71-0	1 - 5
Crystalline Aluminosilicate	1318-02-1	1 - 5
Ethylbenzene	100-41-4	0.1 - 1
1-Methyl-2-pyrrolidinone	872-50-4	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:	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 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	Carbon dioxide, Carbon monoxide, Toxic fumes, Toxic gases, Sulfur containing 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. 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. Flammable component(s) of this material may be lighter than water and burn while floating on the surface.

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. 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, Caustics (bases, alkalis), Acids

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		
Talc	2mg/m³ (Respirable Dust)	20 mppcf TWA	
Methyl Amyl Ketone	100ppm; 465mg/m³ (TWA)	50ppm; 233mg/m³ TWA	
Quartz (Silica-Crystalline)	see Table Z-3	0.05 mg/m³ TWA (respirable fraction)	
n-Butyl acetate	150 ppm TWA; 710 mg/m³ TWA	150 ppm TWA; 713 mg/m3 TWA	200 ppm STEL; 950 mg/m³ STEL
Zinc Phosphate (Nuisance Dust)	5 mg/m³ (Resipirable Fraction) 15 mg/m³ (Total Dust)		
Xylene	100 ppm TWA; 435 mg/m³ TWA	100 ppm TWA; 434 mg/m³ TWA	150 ppm STEL; 651 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. Use spark-proof tools and explosion-proof equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical State	Liquid
Color	White
Odor	Ester-Like
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 (℉)	244.0
High (℉)	302.0
Flash Point (℉/℃)	89 / 32
Evaporation Rate	0.40 (n-Butyl Acetate = 1.0)

Flammability (solid, gas)	No data available
Upper Flammable/Explosive Limit	7.9 %
Lower Flammable/Explosive Limit	1.1 %
Vapor Pressure	8.00 mbar
Vapor Density	4.00 4.00 (air = 1)
Relative Density	1.000
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	2,000 - 2,500 CPS
Volatiles, % by volume	46.68
Volatiles, % by weight	24.77
Volatile Organic Chemicals (g/L)	
(Regulatory, Calculated)	403.30
(Actual, Calculated)	403.30
Density	13.34 - 13.84 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.
Incompatible Materials	Oxidizing agents, Caustics (bases, alkalis), Acids
Hazardous Decomposition Products	Carbon dioxide, Carbon monoxide, Toxic fumes, Toxic gases, Sulfur containing gases

11. TOXICOLOGICAL INFORMATION

Routes of Exposure

Inhalation
Skin contact
Eye contact
Skin absorption
Ingestion

Immediate (Acute) Health Effects by Route of Exposure

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

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.
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.
Mutagenicity	Xylene has been shown to be positive in mutagenicity assays.
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.

Product Toxicology Data

Oral Acute Toxicity Estimate (ATE)	4,984.19 mg/kg
Inhalation Dust/Mist Acute Toxicity Estimate (ATE)	67.35 mg/L
Inhalation Vapor Acute Toxicity Estimate (ATE)	39.97 mg/L
Dermal Acute Toxicity Estimate (ATE)	36,766.18 mg/kg

Component Toxicology Data

Chemical Component	Oral LD50	Dermal LD50	Inhalation LC50
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	Oral LD50 Rat > 5000 mg/kg	Dermal LD50 Rabbit > 5000 mg/kg	Inhalation LC50 (4h) Rat > 20.00 mg/L
Talc	Oral LD50 Rat > 5000 mg/kg	Dermal LD50 Rabbit > 5000 mg/kg	Inhalation LC50 (4h) Rat > 20.00 mg/L
Methyl Amyl Ketone	Oral LD50 Rat 1600 mg/kg	Dermal LD50 Rabbit 10,206 mg/kg	Inhalation LC50 (4h) Rat > 16.70 mg/L
Quartz	Oral LD50 Rat > 22,500 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (4h) Rat > 20.00 mg/L
Polymer of Epoxy Resin and bisphenol A	Oral LD50 > 2000 mg/kg	Dermal LD50 Rat > 2000 mg/kg	
n-Butyl acetate	Oral LD50 Rat 10,760 mg/kg	Dermal LD50 Rat 12,789 mg/kg	Inhalation LC50 (4h) Rat > 21.00 mg/L
Ethyl 3-ethoxypropionate	Oral LD50 Male Rat > 5000 mg/kg Oral LD50 Female Rat ~ 4309 mg/kg	Dermal LD50 Rabbit ~ 4080 - 4680 mg/kg	Inhalation LC50 (6h) Male Rat > 998.00 mg/L
Zinc Phosphate	Oral LD50 Rat > 5000 mg/kg		
Xylene	Oral LD50 Rat 3523 mg/kg	Dermal LD50 Rabbit 1100 mg/kg	Inhalation LC50 (4h) Rat 11.00 mg/L
1,5-Pentanediol, 3-methyl-	Oral LD50 Rat ~ 7 - 10 g/kg		
Crystalline Aluminosilicate	Oral LD50 Rat > 5110 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (4h) Rat > 3.35 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
Titanium dioxide	2B		
Talc	2B		
Quartz	1		1
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:	III
Other:	This product qualifies for a limited quantity exception per CFR173.150(b)(3) 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 #**	**%**
Not applicable		
CERCLA		
n-Butyl Acetate	123-86-4	3 - 7
Xylene (mixed isomers)	1330-20-7	1 - 5
Ethyl Benzene	100-41-4	0.1 - 1
SARA 313		
Trizinc diphosphate	7779-90-0	1 - 5
Xylene (mixed isomers)	1330-20-7	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 #**	**%**
Titanium dioxide	13463-67-7	7 - 13

Crystalline Silica	14808-60-7	5 - 10
Ethyl Benzene	100-41-4	0.1 - 1
Benzene	71-43-2	< 10 ppm
Cumene	98-82-8	< 10 ppm
Lead	7439-92-1	< 10 ppm
Cadmium	7440-43-9	< 1 ppm
Reproductive		
N-Methyl-2-Pyrrolidone	872-50-4	0.1 - 1
Toluene	108-88-3	0.01 - 0.1
Benzene	71-43-2	< 10 ppm
Lead	7439-92-1	< 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 09-01-2015

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.