

# Safety Data Sheet

Revision Date: 06-12-2015  
Product Code: 33014

## 1. IDENTIFICATION

|   |  |
|---|--|
| <b>Product Name</b>                     | <b>UREPRIME HS4 PRIMER WHITE</b>   |
| <b>Product Code</b>                     | 33014  |
| <b>Document ID</b>                      | G33014   |
| <b>Revision Number</b>                  | 1  |
| <b>Prior Version Date</b>               | None   |
| <b>Intended Use</b>                     | Industrial Maintenance Primer  |
| <b>Restrictions On Use</b>              | For Industrial Use Only  |
| <b>Chemical Family</b>                  | Epoxy Urethane   |
| <b>Chemical Manufacturer / Importer</b> | JONES-BLAIR® Company, LLC<br>2728 Empire Central<br>Dallas, TX 75235<br>1-214-353-1600 |
| <b>Emergency Telephone Number:</b>      | ChemTrec Center 1-800-424-9300<br><b>International:</b> 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  
Flammable Liquid Category 2  
Serious Eye Damage/Eye Irritation Category 2  
Carcinogenicity Category 2  
Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 2

### Signal Word

Danger

### Hazard Statements

Highly 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. May cause 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. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing,

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|  |   |
|--|---|
| <b>Response</b>                                | eye protection and face protection. Use personal protective equipment as required.<br>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. |
| <b>Storage</b>                                 | Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.  |
| <b>Disposal</b>                                | Dispose of contents and container in accordance with all local, regional, national and international regulations.   |
| <b>Hazards Not Otherwise Classified (HNOC)</b> | Not applicable  |

## Additional Information

Not applicable

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Chemical Component</u>              | <u>CAS #</u> | <u>%</u>  |
|--|--------------|-----------|
| Titanium dioxide                       | 13463-67-7   | 10 - 30   |
| Quartz (Silica-Crystalline)            | 14808-60-7   | 10 - 30   |
| Parachlorobenzotrifluoride (PCBTF)     | 98-56-6      | 5 - 10    |
| Polymer of Epoxy Resin and bisphenol A | 25036-25-3   | 5 - 10    |
| Castor oil                             | 8001-79-4    | 1 - 5     |
| Acetone                                | 67-64-1      | 1 - 5     |
| Crystalline Aluminosilicate            | 1318-02-1    | 1 - 5     |
| Aluminum oxide                         | 1344-28-1    | 0.5 - 1.5 |
| Methyl Amyl Ketone                     | 110-43-0     | 0.5 - 1.5 |
| 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

|  |  |
|--|--|
| <b>Inhalation</b>                                | Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen.   |
| <b>Eye Contact</b>                               | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel. |
| <b>Skin Contact</b>                              | Wash with soap and water. Get medical attention if irritation develops or persists. Thoroughly wash or discard clothing and shoes before reuse.  |
| <b>Ingestion</b>                                 | If swallowed, do not induce vomiting. Get medical attention immediately.   |
| <b>Most Important Acute Symptoms and Effects</b> | Not Available  |
| <b>Most Important Delayed Symptoms</b>           | Not Available  |

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and Effects

Special treatment needed: No additional first aid information available

## 5. FIRE-FIGHTING MEASURES

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### 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 Fire and/or Explosion Hazards

No data available  
Vapors may be ignited by heat, sparks, flames or other sources of ignition at or above the low 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 Special Protective Equipment and Precautions for Fire-Fighters

Carbon dioxide, Carbon monoxide  
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. 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.  
Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment.

## 6. ACCIDENTAL RELEASE MEASURES

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### 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

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### 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.

### 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, Chlorinated compounds, Ethylene oxide

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Exposure Limits

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| <u>Chemical Component</u>                                 | <u>OSHA PEL</u>  | <u>ACGIH TLV-TWA</u>                             | <u>ACGIH STEL</u>                         |
|---|--|--|---|
| Titanium dioxide  | 15 mg/m <sup>3</sup> TWA (total dust)  | 10 mg/m <sup>3</sup> TWA                         |   |
| Quartz (Silica-Crystalline)                               | see Table Z-3  | 0.05 mg/m <sup>3</sup> TWA (respirable fraction) |   |
| Calcium Metasilicate (Particles Not Otherwise Classified) | 50 mppcf (15mg/m <sup>3</sup> ) TWA Total Dust; 15 mppcf (5mg/m <sup>3</sup> ) TWA Respirable fraction |  |   |
| tert-butyl acetate  | 200ppm; 950mg/m <sup>3</sup> TWA   | 200ppm TWA                                       |   |
| Zinc Phosphate (Nuisance Dust)                            | 5 mg/m <sup>3</sup> (Respirable Fraction)<br>15 mg/m <sup>3</sup> (Total Dust)                         |  |   |
| Acetone   | 1000 ppm TWA; 2400 mg/m <sup>3</sup> TWA   | 500 ppm TWA; 1188 mg/m <sup>3</sup> TWA          | 750 ppm STEL; 1782 mg/m <sup>3</sup> STEL |
| Aluminum oxide  | 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)                   | 10 mg/m <sup>3</sup> TWA                         |   |
| Methyl Amyl Ketone  | 100ppm; 465mg/m <sup>3</sup> (TWA)   | 50ppm; 233mg/m <sup>3</sup> TWA                  |   |

**Appropriate Engineering Controls**

Use local exhaust ventilation or other engineering controls to minimize exposure. 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.

**General Hygiene Conditions**

As with all chemicals, good industrial hygiene practices should be followed when handling this material.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance**

|  |                                       |
|--|---------------------------------------|
| <b>Physical State</b>                          | Liquid                                |
| <b>Color</b>                                   | White                                 |
| <b>Odor</b>                                    | Naphthalene-Like, Sweet               |
| <b>Odor Threshold</b>                          | No data available                     |
| <b>pH</b>                                      | No data available                     |
| <b>Melting Point/Freezing Point (F/C)</b>      | No data available / No data available |
| <b>Initial Boiling Point and Boiling Range</b> |                                       |
| <b>Low (F)</b>                                 | 208.4                                 |
| <b>High (F)</b>                                | 280.4                                 |
| <b>Flash Point (F/C)</b>                       | 46 / 8                                |
| <b>Evaporation Rate</b>                        | 2.80                                  |
| <b>Flammability (solid, gas)</b>               | No data available                     |
| <b>Upper Flammable/Explosive Limit</b>         | 10.5                                  |
| <b>Lower Flammable/Explosive Limit</b>         | 0.9                                   |
| <b>Vapor Pressure</b>                          | ~ 41.50 (mm Hg @ 77° F / 25° C)       |

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|  |                        |
|--|------------------------|
| Vapor Density                          | 6.20 (air = 1)         |
| Relative Density                       | 1.000                  |
| Solubility in Water                    | Negligible; 0-1%       |
| Partition coefficient: n-octanol/water | No data available      |
| Auto-ignition Temperature              | No data available      |
| Decomposition Temperature:             | No data available      |
| Viscosity                              | 30 - 40 Z3             |
| Volatiles, % by volume                 | 42.72                  |
| Volatiles, % by weight                 | 25.20                  |
| Volatile Organic Chemicals (g/L)       |                        |
| (Regulatory, Calculated)               | 90.26                  |
| (Actual, Calculated)                   | 57.52                  |
| Density                                | 13.87 - 14.27 lbs./Gal |

## 10. STABILITY AND REACTIVITY

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|                                    |  |
|------------------------------------|--|
| 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. Elevated temperatures. |
| Incompatible Materials             | Oxidizing agents, Acids, Chlorinated compounds, Ethylene oxide   |
| Hazardous Decomposition Products   | Carbon dioxide, Carbon monoxide  |

## 11. TOXICOLOGICAL INFORMATION

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|                    |   |
|--------------------|---|
| Routes of Exposure | Inhalation<br>Skin contact<br>Eye contact<br>Ingestion<br>Skin absorption |
|--------------------|---|

### 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 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          | Causes skin irritation. May cause allergic skin reaction.  |
| Eye Contact           | Causes eye irritation. Can cause mechanical irritation if dusts are generated.   |
| 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. |
| Inhalation      | Overexposure may cause lung damage.<br>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.   |

### Product Toxicology Data

|                                    |                 |
|------------------------------------|-----------------|
| Oral Acute Toxicity Estimate (ATE) | 49,284.39 mg/kg |
|------------------------------------|-----------------|

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Inhalation Dust/Mist Acute Toxicity Estimate (ATE) 42.56 mg/L  
Inhalation Vapor Acute Toxicity Estimate (ATE) 51.19 mg/L

## 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    |
| Quartz                                 | Oral LD50 Rat > 22,500 mg/kg | Dermal LD50 Rabbit > 2000 mg/kg   | Inhalation LC50 (4h) Rat > 20.00 mg/L   |
| Calcium Metasilicate                   | Oral LD50 Rat > 5000 mg/kg   | Dermal LD50 Rabbit > 5000 mg/kg   | Inhalation LC50 (4h) Rat > 20.00 mg/L   |
| Parachlorobenzotrifluoride (PCBTF)     | Oral LD50 Rat 11,500 mg/kg   |                                   | Inhalation LC50 Rat 20.00 g/m3          |
| tert-butyl acetate                     | Oral LD50 Rat 4100 mg/kg     | Dermal LD50 Rabbit > 2000 mg/kg   | Inhalation LC50 (6h) Rat > 4,000.00 ppm |
| Polymer of Epoxy Resin and bisphenol A | Oral LD50 > 2000 mg/kg       | Dermal LD50 Rat > 2000 mg/kg      |   |
| Zinc Phosphate                         | Oral LD50 Rat > 5000 mg/kg   |                                   |   |
| Acetone                                | Oral LD50 Rat 5800 mg/kg     | Dermal LD50 Rabbit > 16 g/kg      | Inhalation LC50 (4h) Rat 76.00 mg/L     |
| Crystalline Aluminosilicate            | Oral LD50 Rat > 5110 mg/kg   | Dermal LD50 Rabbit > 2000 mg/kg   | Inhalation LC50 (4h) Rat > 3.35 mg/L    |
| Aluminum oxide                         | Oral LD50 Rat > 10,000 mg/kg | Dermal LD50 Rabbit > 5000 mg/kg   | Inhalation LC50 (4h) Rat > 2.30 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   |

## Carcinogen Information

| Chemical Name    | IARC Carcinogen | OSHA Carcinogen | NTP Carcinogen |
|------------------|-----------------|-----------------|----------------|
| Titanium dioxide | 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.

DOT Basic Description: Paint  
Hazard Class: 3  
UN Number: UN1263  
Packing Group: II

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**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).

**IATA Air Shipping Name:** Paint  
**IATA Hazard Class:** 3  
**IATA UN Number:** UN1263  
**IATA Packing Group:** II

**IMO Shipping Name:** Paint  
**IMO Hazard Class:** 3  
**IMO UN Number:** UN1263  
**IMO Packing Group:** II

**Marine Pollutant:** N

## 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

Not applicable

#### CERCLA

|                    | <u>CAS #</u> | <u>%</u> |
|--------------------|--------------|----------|
| tert-Butyl acetate | 540-88-5     | 5 - 10   |
| Acetone            | 67-64-1      | 1 - 5    |

#### SARA 313

|                     | <u>CAS #</u> | <u>%</u>  |
|---------------------|--------------|-----------|
| Trizinc diphosphate | 7779-90-0    | 1 - 5     |
| Aluminum oxide      | 1344-28-1    | 0.5 - 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**

|                    | <u>CAS #</u> | <u>%</u>   |
|--------------------|--------------|------------|
| Titanium dioxide   | 13463-67-7   | 10 - 30    |
| Crystalline Silica | 14808-60-7   | 10 - 30    |
| Ethyl Benzene      | 100-41-4     | 0.01 - 0.1 |
| Cumene             | 98-82-8      | < 10 ppm   |
| Lead               | 7439-92-1    | < 10 ppm   |
| Cadmium            | 7440-43-9    | < 1 ppm    |
| Benzene            | 71-43-2      | < 1 ppm    |

##### **Reproductive**

|                        |           |          |
|------------------------|-----------|----------|
| N-Methyl-2-Pyrrolidone | 872-50-4  | 0.1 - 1  |
| Lead                   | 7439-92-1 | < 10 ppm |
| Benzene                | 71-43-2   | < 1 ppm  |

### Canadian Regulations:

#### **CEPA DSL:**

The components of this product ARE listed on the Canadian Domestic Substances

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**WHMIS Hazard Class:** List.  
B2 D2A

## 16. OTHER INFORMATION

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**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.