

# Safety Data Sheet

Revision Date: 01-05-2016  
Product Code: 45027

## 1. IDENTIFICATION

<b>Product Name</b>	<b>ACRYLITHANE HS2 ENAMEL EGGSHELL WHITE P-8</b>
<b>Product Code</b>	45027
<b>Document ID</b>	G45027
<b>Revision Number</b>	1
<b>Prior Version Date</b>	None
<b>Intended Use</b>	Industrial Maintenance Coating
<b>Restrictions On Use</b>	For Industrial Use Only
<b>Chemical Family</b>	Acrylic Urethane Enamel
<b>Chemical Manufacturer / Importer</b>	JONES-BLAIR® Company, LLC 2728 Empire Central Dallas, TX 75235 1-214-353-1600
<b>Emergency Telephone Number:</b>	ChemTrec Center 1-800-424-9300 <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  
Carcinogenicity Category 1A  
Specific Target Organ Systemic Toxicity (STOT) - Repeated Exposure Category 1  
Skin Corrosion/Irritation Category 2  
Serious Eye Damage/Eye Irritation Category 2  
Specific Target Organ Systemic Toxicity (STOT) - Single Exposure Category 2  
Flammable Liquid Category 3

### Signal Word

Danger

### Hazard Statements

Flammable liquid and vapour. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. May cause cancer. May cause damage to organs. 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 not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the

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**Response**

workplace. Wear protective gloves, protective clothing, eye protection and face protection. Use personal protective equipment as required.  
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 exposed or if you feel unwell: Call a POISON CENTER or physician. Get medical attention if you feel unwell. 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**

<u>Chemical Component</u>	<u>CAS #</u>	<u>%</u>
Titanium dioxide	13463-67-7	10 - 30
Quartz (Silica-Crystalline)	14808-60-7	7 - 13
Xylene	1330-20-7	3 - 7
4-Methyl-2-pentanone	108-10-1	3 - 7
Ethyl 3-ethoxypropionate	763-69-9	3 - 7
Methyl ethyl ketone	78-93-3	1 - 5
3-Oxazolidineethanol, 2-(1-methylethyl)-	28770-01-6	1 - 5
Ethylene glycol monobutyl ether acetate	112-07-2	1 - 5
Aluminum oxide	1344-28-1	0.5 - 1.5
Light aromatic solvent naphtha	64742-95-6	0.5 - 1.5
n-Butyl acetate	123-86-4	0.5 - 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. 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.

**Skin Contact**

Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

**Ingestion**

If swallowed, do not induce vomiting. Get medical attention immediately. Induce

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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.

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

## 5. FIRE-FIGHTING MEASURES

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<b>Suitable Extinguishing Media</b>	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.
<b>Unsuitable Extinguishing Media</b>	No data available
<b>Fire and/or Explosion Hazards</b>	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.
<b>Hazardous Combustion Products</b>	Carbon dioxide, Carbon monoxide, Sulfur containing gases, Toxic gases, Toxic fumes, Formaldehyde, Hydrocarbons
<b>Special Protective Equipment and Precautions for Fire-Fighters</b>	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

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<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	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.
<b>Methods and Material for Containment and Cleaning Up</b>	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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<b>Precautions for Safe Handling</b>	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. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. Use non-sparking tools when opening or closing containers. Ground and bond containers when transferring material. "Empty" containers retain product residue (liquid and/or vapor) and can
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**Conditions for Safe Storage**

**Materials to Avoid/Chemical Incompatibility**

be dangerous. Remove contaminated clothing and wash before reuse. Use spark-proof tools and explosion-proof equipment. Store in a cool dry place. Keep container(s) closed. Keep away from sources of ignition. Oxidizing agents, Acids, Caustics (bases, alkalis), Chlorinated compounds, Ethylene oxide

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Exposure Limits

<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)	
Talc	2mg/m <sup>3</sup> (Respirable Dust)	20 mppcf TWA	
Xylene	100 ppm TWA; 435 mg/m <sup>3</sup> TWA	100 ppm TWA; 434 mg/m <sup>3</sup> TWA	150 ppm STEL; 651 mg/m <sup>3</sup> STEL
Methyl Isobutyl Ketone	100 ppm TWA; 410 mg/m <sup>3</sup> TWA	50 ppm TWA; 205 mg/m <sup>3</sup> TWA	75 ppm STEL; 307 mg/m <sup>3</sup> STEL
Methyl ethyl ketone	200 ppm TWA; 590 mg/m <sup>3</sup> TWA	200 ppm TWA; 590 mg/m <sup>3</sup> TWA	300 ppm STEL; 885 mg/m <sup>3</sup> STEL
Ethylene glycol monobutyl ether acetate		20ppm TWA	
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	
n-Butyl acetate	150 ppm TWA; 710 mg/m <sup>3</sup> TWA	150 ppm TWA; 713 mg/m <sup>3</sup> TWA	200 ppm STEL; 950 mg/m <sup>3</sup> STEL
Ethylbenzene	100 ppm TWA; 435 mg/m <sup>3</sup> TWA	100 ppm TWA; 434 mg/m <sup>3</sup> TWA	125 ppm STEL; 543 mg/m <sup>3</sup> 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.

**Other Protective Equipment  
General Hygiene  
Conditions**

Nitrile

As with all chemicals, good industrial hygiene practices should be followed when handling this material. Follow all protective equipment recommendations provided in Section VIII. Wash thoroughly after handling. Do not get in eyes, on skin and clothing. Use non-sparking tools when opening or closing containers. Ground and bond containers when transferring material. "Empty" containers retain product residue (liquid

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and/or vapor) and can be dangerous. Remove contaminated clothing and wash before reuse. Use spark-proof tools and explosion-proof equipment.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	
Physical State	Liquid
Color	White to off-white
<b>Odor</b>	Ketone
<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>	
Low (°F)	237.0
High (°F)	380.0
<b>Flash Point (°F/°C)</b>	100 / 38
<b>Evaporation Rate</b>	1.60 (n-Butyl Acetate = 1.0)
<b>Flammability (solid, gas)</b>	No data available
<b>Upper Flammable/Explosive Limit</b>	8.0
<b>Lower Flammable/Explosive Limit</b>	0.5
<b>Vapor Pressure</b>	20.00 mbar
<b>Vapor Density</b>	3.70 (air = 1)
<b>Relative Density</b>	1.466
<b>Solubility in Water</b>	Low; 10-39%
<b>Partition coefficient: n-octanol/water</b>	No data available
<b>Auto-ignition Temperature</b>	No data available
<b>Decomposition Temperature:</b>	No data available
<b>Viscosity</b>	20 - 30 Z4
<b>Volatiles, % by volume</b>	44.95
<b>Volatiles, % by weight</b>	26.46
<b>Volatile Organic Chemicals (g/L)</b>	
(Regulatory, Calculated)	387.73
(Actual, Calculated)	387.73
<b>Density</b>	12.03 - 12.43 lbs./Gal

## 10. STABILITY AND REACTIVITY

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<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	No data available
<b>Conditions to Avoid</b>	Temperatures above flash point in combination with sparks, open flames, or other sources of ignition. Contamination.
<b>Incompatible Materials</b>	Oxidizing agents, Acids, Caustics (bases, alkalis), Chlorinated compounds, Ethylene oxide
<b>Hazardous Decomposition Products</b>	Carbon dioxide, Carbon monoxide, Sulfur containing gases, Toxic gases, Toxic fumes, Formaldehyde, Hydrocarbons

## 11. TOXICOLOGICAL INFORMATION

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<b>Routes of Exposure</b>	Inhalation Skin contact Eye contact Ingestion Skin absorption
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### **Immediate (Acute) Health Effects by Route of Exposure**

<b>Inhalation Irritation</b>	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.
<b>Inhalation Toxicity</b>	Vapor harmful. May affect the brain or nervous system causing dizziness,

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**Skin Contact**  
**Skin Absorption**  
**Eye Contact**  
**Ingestion Toxicity**

headache or nausea.  
 Can cause moderate skin irritation.  
 May be harmful if absorbed through skin.  
 Causes eye irritation. Can cause mechanical irritation if dusts are generated.  
 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. Contains Methyl Ethyl Ketone, which in animal studies has shown to cause harm to the fetus only at exposure levels that harm the pregnant animal. The relevance of these findings to humans is uncertain.

**Mutagenicity**  
**Inhalation**

Xylene has been shown to be positive in mutagenicity assays. Overexposure may cause lung damage.  
 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.

**Product Toxicology Data**

**Oral Acute Toxicity Estimate (ATE)** 33,243.05 mg/kg  
**Inhalation Dust/Mist Acute Toxicity Estimate (ATE)** 46.97 mg/L  
**Inhalation Vapor Acute Toxicity Estimate (ATE)** 32.39 mg/L  
**Dermal Acute Toxicity Estimate (ATE)** 13,338.87 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
Quartz	Oral LD50 Rat > 22,500 mg/kg	Dermal LD50 Rabbit > 2000 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
Xylene	Oral LD50 Rat 3523 mg/kg	Dermal LD50 Rabbit 1100 mg/kg	Inhalation LC50 (4h) Rat 11.00 mg/L
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
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
Polyethylene	Oral LD50 Rat > 2500 mg/kg		
Methyl ethyl ketone	Oral LD50 Rat 2737 mg/kg	Dermal LD50 Rabbit 6480	Inhalation LC50 (8h) Rat

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		mg/kg	23,500.00 mg/m <sup>3</sup>
Ethylene glycol monobutyl ether acetate	Oral LD50 Rat 1880 mg/kg	Dermal LD50 Rabbit 1500 mg/kg	Inhalation LC50 (6h) Rat > 4.59 mg/L
Aluminum oxide	Oral LD50 Rat > 10,000 mg/kg	Dermal LD50 Rabbit > 5000 mg/kg	Inhalation LC50 (4h) Rat > 2.60 mg/L
Light aromatic solvent naphtha	Oral LD50 Rat 8400 mg/kg	Dermal LD50 Rat > 2000 mg/kg	Inhalation LC50 (4h) Rat 5.60 mg/L
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
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		
Quartz	1		1
Talc	2B		
4-Methyl-2-pentanone	2B		
Ethylbenzene	2B		

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity (aquatic and terrestrial, where available)</b>	No data available
<b>Mobility in soil</b>	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.

<b>DOT Basic Description:</b>	Paint
<b>Hazard Class:</b>	3
<b>UN Number:</b>	UN1263
<b>Packing Group:</b>	III
<b>Other:</b>	Not regulated for non-bulk domestic ground shipments for packaging of 450 liters (119 gallons) or less (DOT 49CFR 173.150(f)).

**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**

<u>SARA EHS Chemicals</u>	<u>CAS #</u>	<u>%</u>
Not applicable		

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## CERCLA

Xylene (mixed isomers)	1330-20-7	3 - 7
Methyl Isobutyl Ketone	108-10-1	3 - 7
Methyl Ethyl Ketone	78-93-3	1 - 5
n-Butyl Acetate	123-86-4	0.5 - 1.5
Ethyl Benzene	100-41-4	0.1 - 1

## SARA 313

Xylene (mixed isomers)	1330-20-7	3 - 7
Methyl Isobutyl Ketone	108-10-1	3 - 7
Ethylene glycol monobutyl ether acetate	112-07-2	1 - 5
Aluminum oxide	1344-28-1	0.5 - 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

<b>Cancer</b>	<b>CAS #</b>	<b>%</b>
Titanium dioxide	13463-67-7	10 - 30
Crystalline Silica	14808-60-7	7 - 13
Methyl Isobutyl Ketone	108-10-1	3 - 7
Ethyl Benzene	100-41-4	0.1 - 1
Cumene	98-82-8	0.01 - 0.1
Carbon Black	1333-86-4	0.001 - 0.01
Benzene	71-43-2	0.001 - 0.01
<b>Reproductive</b>		
Methyl Isobutyl Ketone	108-10-1	3 - 7
Toluene	108-88-3	0.01 - 0.1
Benzene	71-43-2	0.001 - 0.01

## Canadian Regulations:

<b>CEPA DSL:</b>	The components of this product ARE listed on the Canadian Domestic Substances List.
<b>WHMIS Hazard Class:</b>	B3 D2A

## 16. OTHER INFORMATION

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<b>Revision Date</b>	01-05-2016
<b>Disclaimer</b>	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.