

# Safety Data Sheet

Revision Date: 09-11-2015  
Product Code: 4600-040

## 1. IDENTIFICATION

Product Name	ACRYLITHANE HS4 ENAMEL WHITE BASE
Product Code	4600-040
Document ID	G4600-040
Revision Number	1
Prior Version Date	None
Intended Use	Industrial Maintenance Coating
Restrictions On Use	For Industrial Use Only
Chemical Family	Acrylic Urethane Enamel
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  
Skin Corrosion/Irritation Category 2  
Serious Eye Damage/Eye Irritation Category 2  
Carcinogenicity 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. 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. 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.

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<b>Response</b>	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.
<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
Parachlorobenzotrifluoride (PCBTF)	98-56-6	10 - 30
Aluminum oxide	1344-28-1	1 - 5
Butyl carbitol acetate	124-17-4	0.5 - 1.5
Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate	41556-26-7	0.1 - 1
Ethylbenzene	100-41-4	0.1 - 1
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	82919-37-7	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

<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.
<b>Ingestion</b>	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.
<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

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## 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 Fire and/or Explosion Hazards

No data available

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 Special Protective Equipment and Precautions for Fire-Fighters

Carbon dioxide, Carbon monoxide, Toxic fumes, Toxic gases  
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. 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.

### 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, 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	
tert-butyl acetate	200ppm; 950mg/m <sup>3</sup> TWA	200ppm TWA	

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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	
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

<b>Appropriate Engineering Controls</b>	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.
<b>Respiratory Protection</b>	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.
<b>Eye Protection</b>	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.
<b>Skin Protection</b>	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.
<b>General Hygiene Conditions</b>	As with all chemicals, good industrial hygiene practices should be followed when handling this material.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	
Physical State	Liquid
Color	White
<b>Odor</b>	Sweet, Naphthalene-Like
<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)	208.4
High (°F)	280.4
<b>Flash Point (°F/°C)</b>	56 / 13
<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)
<b>Vapor Density</b>	6.20 (air = 1)
<b>Relative Density</b>	1.000
<b>Solubility in Water</b>	Negligible; 0-1%
<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 Z3
<b>Volatiles, % by volume</b>	49.09
<b>Volatiles, % by weight</b>	37.34
<b>Volatile Organic Chemicals (g/L)</b>	
(Regulatory, Calculated)	90.20
(Actual, Calculated)	50.97
<b>Density</b>	10.95 - 11.15 lbs./Gal

## 10. STABILITY AND REACTIVITY

<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	No data available

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## Conditions to Avoid

Sparks, open flame, other ignition sources, and elevated temperatures. Elevated temperatures. Contamination.

## Incompatible Materials

Oxidizing agents, Chlorinated compounds, Ethylene oxide

## Hazardous Decomposition Products

Carbon dioxide, Carbon monoxide, Toxic fumes, Toxic gases

## 11. TOXICOLOGICAL INFORMATION

### Routes of Exposure

Inhalation  
Skin contact  
Eye contact  
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.

#### Inhalation Toxicity

Vapor harmful. May affect the brain or nervous system causing dizziness, headache or nausea.

#### Skin Contact

Causes skin irritation.

#### Skin Absorption

May be harmful if absorbed through skin.

#### Eye Contact

Causes eye irritation. Can cause mechanical irritation if dusts are generated.

#### 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. Possible cancer hazard. Contains ethylbenzene which may cause cancer based on animal data. (Risk of cancer depends on duration and level of exposure.)

#### 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.

### Product Toxicology Data

Inhalation Dust/Mist Acute Toxicity Estimate (ATE) 63.28 mg/L

Inhalation Vapor Acute Toxicity Estimate (ATE) 47.39 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
tert-butyl acetate	Oral LD50 Rat 4100 mg/kg	Dermal LD50 Rabbit > 2000 mg/kg	Inhalation LC50 (6h) Rat > 4,000.00 ppm
Parachlorobenzotrifluoride (PCBTF)	Oral LD50 Rat 11,500 mg/kg		Inhalation LC50 Rat 20.00 g/m3
Aluminum oxide	Oral LD50 Rat > 10,000 mg/kg	Dermal LD50 Rabbit > 5000 mg/kg	Inhalation LC50 (4h) Rat > 2.30 mg/L
Butyl carbitol acetate	Oral LD50 Rat 6500 mg/kg	Dermal LD50 Rabbit 14,500 mg/kg	Inhalation LC50 (4h) Rat 72.50 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

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**Chemical Name**

Titanium dioxide

Ethylbenzene

**IARC Carcinogen**

2B

2B

**OSHA Carcinogen**

**NTP Carcinogen**

## 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

Not applicable

#### CERCLA

	<u>CAS #</u>	<u>%</u>
tert-Butyl acetate	540-88-5	10 - 30
Ethyl Benzene	100-41-4	0.1 - 1

#### SARA 313

Aluminum oxide	1344-28-1	1 - 5
2-(2-Butoxyethoxy)ethyl acetate	124-17-4	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

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## U. S. State Regulations:

### California Prop 65 Chemicals

#### **Cancer**

	<b>CAS #</b>	<b>%</b>
Titanium dioxide	13463-67-7	10 - 30
Ethyl Benzene	100-41-4	0.1 - 1
Naphthalene	91-20-3	0.001- 0.01
Cumene	98-82-8	< 1 ppm
Benzene	71-43-2	< 0.1 ppm

#### **Reproductive**

Methyl Alcohol	67-56-1	0.01 - 0.1
Benzene	71-43-2	< 0.1 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**

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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.