

MATERIAL SAFETY DATA SHEET

PULSA Series CIP Paint

I. Identification and Emergency Information

Product Name: Paint (White)
 Supplier: Pulsafeeder, 2883 Brighton-Henrietta Townline Road, Rochester, New York 14623, 716-292-8000.
 Emergency Telephone: VALSPAR Corporation 1-800-228-5635
 Information Phone: (612) 332-7371
 Product Class: Epoxy Component A
 Trade Name: 37 78W3K HB TNK LNG EP WHT
 Complies with FDA requirements for accepted ingredient materials. Accepted by USDA for use in food processing plants. Listed by the EPA as acceptable for surfaces which contact potable water.

II. Hazardous Ingredients

<u>Ingredient Description</u>		<u>Approximate % by Weight</u>	<u>TLV PPM</u>
VM&P Naphtha	cas: 8032-32-4	1%	300.0
Barium Sulphate	cas: 7727-43-7	10%	10.0
TALC	cas: 14807-96-6	20%	10.0
TALC	cas: 14807-96-6	15%	10.0
Titanium Dioxide	cas: 13463-67-7	10%	10.0
Epoxy Resin	cas: unknown	25%	Not Est.
Butyl Acetate	cas: 123-86-4	15%	150.0
Propylene Glycol Mono Methyl Ether	cas: 107-98-2	5%	100.0
N-AMYL Ketone	cas: 110-43-0	5%	50.0

III. Physical Data

Boiling Point: 248°F
 Vapor Pressure: MM HG At 77 Deg.F: 12.5
 Vapor Density (Air=1.0): 4.8
 Percent Volatile by Volume: 44.60
 Specific Gravity: 1.52
 Evaporation Rate (Butyl Acetate = 1): 1.0
 Solubility in Water: No
 Appearance and Odor: Normal for a coatings product.

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IV. Fire and Explosion Hazard Data

Flash Point TCC/PM Deg F: 85
Lower Explosive Limit: 1.0
Upper Explosive Limit: 11.2
Extinguishing Media: Carbon dioxide, dry chemical, foam and/or water fog
Special Fire Fighting Procedures: Fire fighters must wear self contained breathing apparatus or air masks. Containers exposed to fire should be kept cool with water spray.
Unusual Fire and Explosive Hazards: None

V. Reactivity Data

This product is stable.
Conditions to avoid: None
Incompatibility: Strong oxidizers
Hazardous Polymenzation: None
Hazardous Decomposition Products: Silicon Dioxide/Carbon Dioxide/Monoxide, Metal Oxides, Sulfur Oxides

VI. Health Hazard Data

Threshold Limit Value: Not required for mixture.
Effects of Overexposure:
Immediate Effects (Acute): Harmful if inhaled. May affect the brain, nervous system or respiratory system, causing dizziness, headache, nausea or respiratory irritation. Overexposure to ingredients in this product may cause nose and throat irritation, eye irritation, skin irritation.

MATERIAL SAFETY DATA SHEET

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VI. Health Hazard Data (Continued)

Delayed Effects (Chronic): 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. Contains ingredients which may cause lung irritation, liver damage, kidney damage, mucous membrane irritation.

Emergency and First Aid Procedures:

Inhalation: Remove person from exposure area. If breathing has stopped, use mouth-to-mouth resuscitation and get medical attention.

Eye Contact: Flush with water for 15 minutes.

Skin Contact: Wash with soap and water.

VII. Precautions for Safe Handling and Use

Containers should be grounded when pouring. Avoid free fall of liquid in excess of a few inches. Keep away from heat, sparks and open flames. Keep container closed when not in use. Do not store above 120 Deg. F. Based on the product flash point and vapor pressure suitable storage should be provided in accordance with OSHA Regulation 1910.106. Empty containers may contain product residue, including flammable or explosive vapors. Do not cut, puncture or weld on or near container. All label warnings must be observed until the container has been cleaned or reconditioned.

If material is spilled, ventilate area. Avoid breathing or vapors. Use self contained breathing apparatus or air mask for large spills in a confined area. Eliminate ignition source. Remove with inert absorbent and non-sparking tools. Avoid contact with eyes.

Waste Disposal Method: Consult state, local and federal regulations. Do not incinerate closed containers.

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VIII. Control Measures

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| Respiratory Protection: | Wear appropriate, properly fitted respirator (NIOSH/MSHA Approved) during and after application unless air monitoring vapor/mist levels are below applicable limits. |
| Ventilation: | Required for spraying or in a confined area, ventilation equipment should be explosion proof. Eliminate ignition sources. |
| Protective Gloves: | Usual hand protection for paint application. |
| Eye Protection: | Usual eye protection for applying paint. |
| Other Protective Equipment: | Usual clothing for painting operations. |

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