

# SAFETY DATA SHEET



2401 - 2 COMP.ALIPH.URETH. PART-A T.B.

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name:</b>	2401 - 2 COMP.ALIPH.URETH. PART-A T.B.
<b>Product Code:</b>	2401
<b>Product Use:</b>	Epoxy

**Manufacturer**  
Richard's Paint  
200 Paint Street  
Rockledge, Florida,  
800-432-0983

**24 Hour Emergency Telephone Number**  
CHEMTEL (US): (800)255-3924  
CHEMTEL (International): (813)248-0585

## 2. HAZARDS IDENTIFICATION

<b>Classification:</b>	This material is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) Skin Corrosion/Irritation: Category 2 Specific Target Organ Toxicity (Single Exposure): Category 3 Aspiration Toxicity: Category 1 Skin Sensitization: Category 1 Reproductive Toxicity: Category 2 Specific Target Organ Toxicity (Repeated Exposure): Category 2 Flammable Liquid: Category 2
<b>Signal Word:</b>	Danger
<b>Pictograms:</b>	
<b>Hazard Statements:</b>	H225: Highly flammable liquid and vapor H304: May be fatal if swallowed and enters airways H315: Causes skin irritation H317: May cause an allergic skin reaction H336: May cause drowsiness or dizziness H361: Suspected of damaging fertility or the unborn child H373: May cause damage to organs through prolonged or repeated exposure

<b>Prevention Precautionary Statements:</b>	<p>P201: Obtain special instructions before use</p> <p>P202: Do not handle until all safety precautions have been read and understood</p> <p>P210: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.</p> <p>P233: Keep container tightly closed</p> <p>P240: Ground/bond container and receiving equipment</p> <p>P241: Use explosion-proof electrical/ventilating/lighting equipment</p> <p>P242: Use only non-sparking tools</p> <p>P243: Take precautionary measures against static discharge</p> <p>P260: Do not breathe dust/fumes/gas/mist/vapors/spray</p> <p>P264: Wash face, hands and any exposed skin thoroughly after handling</p> <p>P271: Use only outdoors or in a well-ventilated area</p> <p>P280: Wear protective gloves/protective clothing/eye protection/face protection</p> <p>P281: Use personal protective equipment as required</p>
<b>Response Precautionary Statements:</b>	<p>P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.</p> <p>P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician</p> <p>P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P308+313: IF exposed: Call a POISON CENTER or doctor/physician</p> <p>P332+313: If skin irritation occurs: Get medical advice/attention</p> <p>P370+378: In case of fire: Use CO<sub>2</sub>, dry chemical, or foam to extinguish</p> <p>P331: Do NOT induce vomiting</p>
<b>Storage Precautionary Statements:</b>	<p>P405: Store locked up</p> <p>P403+233: Store in a well ventilated place. Keep container tightly closed.</p> <p>P403+235: Store in a well ventilated place. Keep cool.</p>
<b>Disposal Precautionary Statements:</b>	P501: Dispose of contents/container to an approved waste disposal plant
<b>Hazards Not Otherwise Classified:</b>	None

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number
Titanium dioxide	10% to 20%	13463-67-7
Propylene glycol monomethyl ether acetate	10% to 20%	108-65-6
Toluene	10% to 20%	108-88-3
Calcium carbonate	5% to 10%	1317-65-3
Ethyl 3-ethoxypropionate	1% to 5%	763-69-9
Kaolin	1% to 5%	1332-58-7
Xylenes (isomers and mixture)	1% to 5%	1330-20-7
Ethylbenzene	0% to 1%	100-41-4
Aliphatic hydrocarbons	0% to 1%	64742-95-6
2-(2-hydroxy-3,5-di-tert-amylphenyl) benzotriazole	0% to 1%	25973-55-1
Cellulose acetate butyrate	0% to 1%	9004-36-8

Medium aliphatic solvent naphtha (petroleum)	0% to 1%	64742-88-7
Petroleum	0% to 1%	64742-82-1

#### 4. FIRST AID MEASURES

<b>General Advice:</b>	Call a physician if symptoms persist. Show SDS to physician.
<b>Eyes:</b>	Remove contact lenses, if applicable. Flush eyes with water for at least 10 minutes. Keep eyes wide open while flushing. Consult a physician if symptoms persist.
<b>Skin:</b>	Remove contaminated clothing. Flush affected area with soap and water. Consult a physician if irritation persists. Wash contaminated clothing before re-use.
<b>Ingestion:</b>	Remove dentures if applicable and wash out mouth with water. Drink large amounts of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.
<b>Inhalation:</b>	Move to fresh air. If not breathing, give artificial respiration and consult a physician immediately. Consult a physician if symptoms persist.
<b>Most Important Symptoms/Effects:</b>	None known
<b>Notes to Physician:</b>	Acute exposure to toluene can cause transient hematuria and albuminuria. Acute inhalation may cause cardiac arrhythmias.

#### 5. FIRE FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Foam, dry powder, CO <sub>2</sub> , water spray. Use measures suitable to the circumstances and environment.
<b>Precautions for Firefighters:</b>	Wear self-contained breathing apparatus and protective gear
<b>Specific Hazards:</b>	Carbon oxides

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Remove all sources of ignition. Use proper personal protective equipment. Avoid contact with skin, eyes, and clothing. Avoid breathing vapors.
<b>Other Precautions:</b>	If safe to do so, prevent additional spillage. Do not allow material to enter ground water, surface water, or sewer system. Consult local authorities if spillage cannot be contained.
<b>Clean-Up Method:</b>	Soak up with non-combustible absorbent material. Dispose of used absorbent in suitable containers.

#### 7. HANDLING AND STORAGE

<b>Handling Precautions:</b>	Avoid contact with skin, eyes, and clothing. Avoid breathing vapors, mists, or dust. Use only in areas with sufficient ventilation. Ground all metal equipment to prevent ignition of vapors by static discharge. Keep away from heat and ignition sources.
<b>Storage Precautions:</b>	Keep container upright, properly labeled, tightly closed, and out of reach of children in a cool, dry, well-ventilated area. Keep away from heat and ignition sources.
<b>Incompatible Materials:</b>	Strong oxidizing agents

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Calcium carbonate(1317-65-3)		
NIOSH TWA:	5 mg/m3 (respirable fraction)	10 mg/m3 (total dust)
OSHA PEL:	5 mg/m3 (respirable fraction)	15 mg/m3 (total dust)
Ethylbenzene(100-41-4)		
ACGIH STEL:	125 ppm	--
ACGIH TWA:	20 ppm	--
NIOSH ST:	125 ppm	545 mg/m3
NIOSH TWA:	100 ppm	435 mg/m3
OSHA STEL:	125 ppm	545 mg/m3
OSHA TWA:	100 ppm	435 mg/m3
Kaolin(1332-58-7)		
ACGIH TWA: 2 mg/m3	NIOSH TWA: 5 mg/m3	OSHA TWA: 5 mg/m3
Petroleum(64742-82-1)		
OSHA TWA:	400 ppm	1600 mg/m3
Propylene glycol monomethyl ether acetate(108-65-6)		
WEEL TWA:	50 ppm	--
Titanium dioxide(13463-67-7)		
TWA:	ACGIH: 10 mg/m3	OSHA: 15 mg/m3
Toluene(108-88-3)		
ACGIH TWA:	20 ppm	--
NIOSH ST:	150 ppm	560 mg/m3
NIOSH TWA:	100 ppm	375 mg/m3
OSHA CEIL:	300 ppm	--
OSHA peak:	500 ppm	--
OSHA STEL:	150 ppm	560 mg/m3
OSHA TWA:	100 ppm	375 mg/m3
Xylenes (isomers and mixture)(1330-20-7)		
ACGIH STEL:	150 ppm	--
ACGIH TWA:	100 ppm	--
OSHA TWA:	100 ppm	435 mg/m3

<b>Engineering Measures:</b>	Maintain adequate ventilation to keep exposure to airborne contaminants at safe levels. Use explosion-proof equipment.
<b>Hygiene Measures:</b>	No eating, drinking, or smoking while in use. Avoid contact with skin, eyes, and clothing. Wash hands, forearms, and face after handling. Wash contaminated clothing before re-use.
<b>Eye/Face Protection:</b>	Safety glasses/goggles
<b>Skin Protection:</b>	Protective gloves and long-sleeved protective clothing
<b>Respiratory Protection:</b>	Respiratory equipment if ventilation is inadequate

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid
<b>Color:</b>	Determined by customer (white by default)
<b>Odor:</b>	Solvent
<b>Odor Threshold:</b>	No information available
<b>pH:</b>	No information available
<b>Melting Point (°F):</b>	No information available
<b>Boiling Point (°F):</b>	No information available
<b>Flash Point (°F):</b>	40

<b>Flash Point Method:</b>	No information available
<b>Evaporation Rate:</b>	No information available
<b>Flammability (Solid/Gas):</b>	No information available
<b>Flammability Limits:</b>	No information available
<b>Vapor Pressure (mm Hg):</b>	No information available
<b>Vapor Density:</b>	No information available
<b>Specific Gravity:</b>	No information available
<b>% Solubility in Water:</b>	No information available
<b>Octanol/Water Partition Coefficient:</b>	No information available
<b>Auto-Ignition Temperature (°F):</b>	No information available
<b>Decomposition Temperature (°F):</b>	No information available
<b>Viscosity (KU):</b>	90-95
<b>Volatile Organic Compounds (g/L):</b>	440

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No information available
<b>Possibility of Hazardous Reactions:</b>	Vapors may form explosive mixture with air
<b>Hazardous Decomposition Products:</b>	Carbon oxides
<b>Stability:</b>	Stable under normal storage conditions
<b>Incompatible Materials:</b>	Strong oxidizing agents
<b>Conditions to Avoid:</b>	Heat, sparks, ignition sources

## 11. TOXICOLOGICAL INFORMATION

Aliphatic hydrocarbons(64742-95-6)	
Dermal LD50 (rabbit):	>2000 mg/kg
Inhalation LC50 (rat, 4 hrs):	10-20 ppm
Oral LD50 (rat):	>2000 mg/kg
Ethyl 3-ethoxypropionate(763-69-9)	
Dermal LD50 (rabbit):	4080 mg/kg
Inhalation LC50 (rat, 6 hrs):	>998 ppm
Oral LD50 (rat):	4309 mg/kg
Ethylbenzene(100-41-4)	
Dermal LD50 (rabbit):	15433 mg/kg
Oral LD50 (rat):	3500 mg/kg
Medium aliphatic solvent naphtha (petroleum)(64742-88-7)	
Dermal LD50 (rat):	>2000 mg/kg
Oral LD50 (rat):	>2000 mg/kg

Petroleum(64742-82-1)	
Dermal LD50 (rabbit):	>2000 mg/kg
Inhalation LC50 (rat, 4 hrs):	>7630 mg/m3
Oral LD50 (rat):	>5000 mg/kg
Propylene glycol monomethyl ether acetate(108-65-6)	
Dermal LD50 (rat):	>2000 mg/kg
Oral LD50 (rat):	8532 mg/kg
Titanium dioxide(13463-67-7)	
Dermal LD50 (rabbit):	>10000 mg/kg
Oral LD50 (rat):	>10000 mg/kg
Toluene(108-88-3)	
Dermal LD50 (rabbit):	12196 mg/kg
Inhalation LC50 (rat, 4 hrs):	12500-28800 mg/m3
Oral LD50 (rat):	>5580 mg/kg

<b>Primary Routes of Exposure:</b>	Eye contact, skin contact, inhalation
<b>Acute Toxicity:</b>	No information available

<b>Exposure Effects</b>	
<b>Eye Contact:</b>	Irritation
<b>Skin Contact:</b>	Irritation, dermatitis
<b>Inhalation:</b>	Irritation of respiratory system, headaches, dizziness, drowsiness, unconsciousness
<b>Ingestion:</b>	No information available
<b>Target Organ (Single Exposure):</b>	No information available
<b>Target Organ (Repeated Exposure):</b>	No information available
<b>Sensitization:</b>	No information available
<b>Carcinogenicity:</b>	No information available
<b>Mutagenicity:</b>	No information available
<b>Reproductive Toxicity:</b>	Fetotoxic if purposefully inhaled ("solvent sniffing")
<b>Other:</b>	No information available

## 12. ECOLOGICAL INFORMATION

2-(2-hydroxy-3,5-di-tert-amylphenyl) benzotriazole(25973-55-1)	
BCF (carp, 60 days)	1000-1700
LC50 (zebrafish, 96 hrs):	>100 mg/l
Ethyl 3-ethoxypropionate(763-69-9)	
Growth inhibition EC50 (green algae, 72 hrs):	114.86 mg/L
Growth inhibition IC50 (bacteria, 16 hrs):	>5000 mg/L
Immobilization EC50 (water flea, 48 hrs):	479.7 mg/L
Static LC50 (fathead minnow, 96 hrs):	45.3 mg/L
Ethylbenzene(100-41-4)	
Biodegradability (aerobic, 28 days):	70-80%
Flow-through LC50 (Atlantic silverside, 96 hrs):	5.1 mg/L
Static EC50 (Skeletonema costatum, 72 hrs):	4.9 mg/L
Static EC50 (water flea, 48 hrs):	1.8-2.4 mg/L
Medium aliphatic solvent naphtha (petroleum)(64742-88-7)	
LC/EC/IC50 (algae):	>1000 mg/L

LC/EC/IC50 (aquatic invertebrates):	>1000 mg/L
LC/EC/IC50 (fish):	>1000 mg/L
<b>Petroleum(64742-82-1)</b>	
Biodegradability (aerobic, 28 days):	77.05%
LC50 (fish, 96 hrs):	<100 mg/L
<b>Propylene glycol monomethyl ether acetate(108-65-6)</b>	
Biodegradability (aerobic, 28 days):	83%
BOD:	0.36 mg/L
COD:	1.74 mg/g
Mortality LC50 (Salmo gairdneri, 96 hrs):	100-180 mg/L
Static EC50 (water flea, 48 hrs):	>500 mg/L
<b>Titanium dioxide(13463-67-7)</b>	
EC50 (water flea, 48 hrs):	>1000 mg/L
LC50 (fish, 96 hrs):	>1000 mg/L
<b>Toluene(108-88-3)</b>	
BCF (golden orfe, 3 days, 0.05 mg/L):	90
EC50 (freshwater algae, 24 hrs):	245 mg/L
EC50 (green algae, 24 hrs):	10 mg/L
EC50 (water flea, 24 hrs):	8 mg/L
Immobilization EC50 (water flea, 48 hrs):	6 mg/L
LC50 (rainbow trout, 96 hrs):	7.63 mg/L
NOEC (fathead minnow, 7 days):	5.44 mg/L

<b>Ecotoxicological Effects:</b>	The environmental impact of this substance has not been fully evaluated
<b>Persistence/Degradability:</b>	No information available
<b>Bioaccumulative Potential:</b>	No information available
<b>Environmental Mobility:</b>	No information available
<b>Other Effects:</b>	No information available

### 13. DISPOSAL CONSIDERATIONS

<b>Disposal Method:</b>	Empty containers may contain flammable residue and vapors. Dispose of in accordance with federal, state, provincial, and local regulations.
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### 14. TRANSPORT INFORMATION

<b>DOT</b>	
<b>Shipping Name:</b>	Paint
<b>Hazard Class:</b>	3
<b>UN No:</b>	1263
<b>Packing Group:</b>	II

<b>ICAO/IATA</b>	
<b>Shipping Name:</b>	Paint
<b>Hazard Class:</b>	3
<b>UN No:</b>	1263
<b>Packing Group:</b>	II

<b>IMDG/IMO</b>	
<b>Shipping Name:</b>	Paint

<b>Hazard Class:</b>	3
<b>UN No:</b>	1263
<b>Packing Group:</b>	II

### 15. REGULATORY INFORMATION

<b>TSCA (US):</b>	All components are listed or exempt
<b>DSL/NDSL (Canada):</b>	All components are listed or exempt

<b>311/312 Hazard Categories</b>	
<b>Fire:</b>	Yes
<b>Pressure Generating:</b>	No
<b>Reactivity:</b>	No
<b>Acute:</b>	Yes
<b>Chronic:</b>	Yes

<b>CERCLA Section 302</b>	
<b>Reportable Quantities:</b>	Ethylbenzene, 1000 lbs Xylenes (isomers and mixture), 100 lbs Toluene, 1000 lbs

<b>SARA 313</b>			
<b>Chemical Name</b>	<b>CAS Number</b>	<b>Max Weight %</b>	<b>de minimis limit</b>
Toluene	108-88-3	20	1.0
Xylenes (isomers and mixture)	1330-20-7	5	1.0
Ethylbenzene	100-41-4	1	0.1

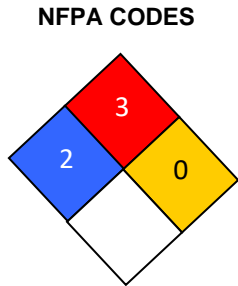
<b>State Right-to-Know</b>					
<b>Chemical Name</b>	<b>CAS Number</b>	<b>MA</b>	<b>NJ</b>	<b>PA</b>	<b>RI</b>
Titanium dioxide	13463-67-7	X	X	X	X
Propylene glycol monomethyl ether acetate	108-65-6		X	X	
Toluene	108-88-3	X	X	X	X
Calcium carbonate	1317-65-3	X	X	X	X
Ethyl 3-ethoxypropionate	763-69-9		X	X	
Kaolin	1332-58-7	X	X	X	X
Xylenes (isomers and mixture)	1330-20-7	X	X	X	X
Ethylbenzene	100-41-4	X	X	X	X
Aliphatic hydrocarbons	64742-95-6		X	X	
2-(2-hydroxy-3,5-di-tert-amylphenyl) benzotriazole	25973-55-1		X	X	
Cellulose acetate butyrate	9004-36-8		X	X	
Medium aliphatic solvent naphtha (petroleum)	64742-88-7		X		
Petroleum	64742-82-1		X	X	



<b>California Proposition 65:</b>	This product contains small amounts of materials known to the state of California to cause cancer or reproductive harm. Titanium dioxide and silicon dioxide (airborne, unbound particles of respirable size) are known to the state of California to cause cancer. This listing does not cover titanium dioxide or silicon dioxide when they remain bound within a product matrix.
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**16. OTHER INFORMATION**

<b>HMIS RATING</b>	
Health:	2*
Flammability:	3
Reactivity:	0
Personal Protection:	--



PPE rating has been left intentionally blank. Choose appropriate PPE based upon actual conditions of use.

<b>Revision Indicator:</b>	Revised 9/11/2018
<b>Disclaimer:</b>	The information contained in this Safety Data Sheet (SDS) is provided in good faith and is believed to be accurate as of the effective date listed. The information applies only to the product as provided and may not be valid if combined with other materials. No warranty is implied or given. The user is responsible for complying with all applicable laws and regulations.