

# SAFETY DATA SHEET



2400-B - 2 COMP. ALIPHATIC UR. PART B

## 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name:</b>	2400-B - 2 COMP. ALIPHATIC UR. PART B
<b>Product Code:</b>	2400-B
<b>Product Use:</b>	Epoxy

**Manufacturer**  
Richards Paint  
200 Paint Street  
Rockledge, Florida,  
18004320983

**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) Specific Target Organ Toxicity (Single Exposure): Category 3 Flammable Liquid: Category 3 Skin Sensitization: Category 1 Acute Aquatic Toxicity: Category 3 Acute Toxicity (Inhalation): Category 4 Serious Eye Damage/Eye Irritation: Category 2A
<b>Signal Word:</b>	Warning
<b>Pictograms:</b>	
<b>Hazard Statements:</b>	H226: Flammable liquid and vapor H317: May cause an allergic skin reaction H319: Causes serious eye irritation H332: Harmful if inhaled H335: May cause respiratory irritation H336: May cause drowsiness or dizziness H402: Harmful to aquatic life

<b>Prevention Precautionary Statements:</b>	P210: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. P233: Keep container tightly closed P240: Ground/bond container and receiving equipment P241: Use explosion-proof electrical/ventilating/lighting equipment P242: Use only non-sparking tools P243: Take precautionary measures against static discharge P261: Avoid breathing dust/fumes/gas/mist/vapors/spray P264: Wash face, hands and any exposed skin thoroughly after handling P271: Use only outdoors or in a well-ventilated area P272: Contaminated work clothing should not be allowed out of the workplace P273: Avoid release to the environment P280: Wear protective gloves/eye protection
<b>Response Precautionary Statements:</b>	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. P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do--continue rinsing. P333+313: If skin irritation or a rash occurs: Get medical advice/attention P337+313: If eye irritation persists get medical advice/attention P370+378: In case of fire: Use CO <sub>2</sub> , dry chemical, or foam to extinguish P363: Wash contaminated clothing before reuse P312: Call a POISON CENTER/doctor if you feel unwell
<b>Storage Precautionary Statements:</b>	P405: Store locked up P403+233: Store in a well ventilated place. Keep container tightly closed. P403+235: Store in a well ventilated place. Keep cool.
<b>Disposal Precautionary Statements:</b>	P501: Dispose of contents/container to an approved waste disposal plant
<b>Hazards Not Otherwise Classified:</b>	May form explosive peroxides Repeated exposure may result in drying/cracking of skin

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number
Hexane, 1,6-diisocyanato-, homopolymer	40% to 50%	28182-81-2
Propylene glycol monomethyl ether	20% to 30%	107-98-2
n-butyl acetate	20% to 30%	123-86-4
Hexamethylene diisocyanate	0% to 1%	822-06-0

### 4. FIRST AID MEASURES

<b>General Advice:</b>	Call a physician if symptoms persist. Show SDS to physician.
<b>Eyes:</b>	Immediately flush with water. After initial flushing, remove contact lenses if applicable and continue flushing for at least 15 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. Consult a physician if necessary. If not breathing, give artificial respiration and consult a physician immediately.
<b>Most Important Symptoms/Effects:</b>	None known
<b>Notes to Physician:</b>	Treat symptomatically Vapors may produce reversible corneal epithelial edema Substance is a skin sensitizer

## 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
<b>Mechanical Impact Sensitivity:</b>	No
<b>Static Discharge Sensitivity:</b>	Yes

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Remove all sources of ignition. Use proper personal protective equipment. Avoid breathing vapors. 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 inert absorbent material. Dispose of used absorbent in suitable properly labeled containers. Thoroughly clean contaminated surface.

## 7. HANDLING AND STORAGE

<b>Handling Precautions:</b>	Wear suitable personal protective equipment. Ground all metal equipment to prevent ignition of vapors by static discharge. Keep away from heat and ignition sources. Do not breathe vapors. Use only in areas with sufficient ventilation.
<b>Storage Precautions:</b>	Keep container 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 reducers, strong oxidizers, strong bases, water, amines, alcohols, copper alloys

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Propylene glycol monomethyl ether(107-98-2)		
ACGIH STEL:	100 ppm	--

ACGIH TWA:	50 ppm	--
NIOSH ST:	150 ppm	540 mg/m3
NIOSH TWA:	100 ppm	360 mg/m3
n-butyl acetate(123-86-4)		
ACGIH STEL:	200 ppm	--
ACGIH TWA:	150 ppm	--
NIOSH ST:	200 ppm	950 mg/m3
NIOSH TWA:	150 ppm	710 mg/m3
OSHA TWA:	150 ppm	710 mg/m3
Hexamethylene diisocyanate(822-06-0)		
ACGIH TWA:	0.005 ppm	--
NIOSH C:	0.02 ppm	0.14 mg/m3
NIOSH TWA:	0.005 ppm	0.035 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>	NIOSH approved respirator if material is being used in a confined area, is being sprayed, or if exposure limits are exceeded

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State:</b>	Liquid
<b>Color:</b>	Colorless
<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>	180.0 -185
<b>Flash Point (°F):</b>	73.00
<b>Flash Point Method:</b>	Closed cup
<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>	No information available
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## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	No information available
<b>Possibility of Hazardous Reactions:</b>	Vapors may form explosive mixture with air Moisture, high temperatures, or materials that react with isocyanates may cause polymerization
<b>Hazardous Decomposition Products:</b>	CO, CO <sub>2</sub> , NO <sub>x</sub> , cyanide compounds, smoke
<b>Stability:</b>	May form peroxides after extended periods of time
<b>Incompatible Materials:</b>	Strong reducers, strong oxidizers, strong bases, water, amines, alcohols, copper alloys
<b>Conditions to Avoid:</b>	Heat, sparks, ignition sources

## 11. TOXICOLOGICAL INFORMATION

Propylene glycol monomethyl ether(107-98-2)	
Dermal LD50 (rabbit):	13000 mg/kg
Inhalation LC50 (rat, 5 hrs):	10000 ppm
Oral LD50 (mouse):	11700 mg/kg
n-butyl acetate(123-86-4)	
Dermal LD50 (rabbit):	>14112 mg/kg
Inhalation LC50 (rat, 4 hrs):	>21 mg/L
Oral LD50 (rat):	10760 mg/kg
Hexamethylene diisocyanate(822-06-0)	
Dermal LD50 (rat):	>7000 mg/kg
Inhalation LC50 (rat, 4 hrs):	124 mg/m <sup>3</sup>
Oral LD50 (rat):	959 mg/kg

<b>Primary Routes of Exposure:</b>	Eye contact, skin contact, inhalation, ingestion
<b>Acute Toxicity:</b>	Concentrated vapors may cause irritation of mucous membranes, bronchitis, bronchial spasm, pulmonary edema, central nervous system depression

<b>Exposure Effects</b>	
<b>Eye Contact:</b>	Irritation
<b>Skin Contact:</b>	Irritation, sensitization
<b>Inhalation:</b>	Irritation of respiratory system, headaches, dizziness, drowsiness, unconsciousness
<b>Ingestion:</b>	Gastrointestinal irritation, diarrhea, nausea, vomiting
<b>Target Organ (Single Exposure):</b>	Nausea, lightheadedness, dizziness, drowsiness, loss of coordination, vomiting, headache Respiratory system: Irritation, runny nose, sore throat, coughing, reduced lung function, bronchitis, bronchial spasm, pulmonary edema, pneumonitis
<b>Target Organ (Repeated Exposure):</b>	No information available
<b>Sensitization:</b>	May cause allergic skin reaction
<b>Neurological Effects:</b>	Central nervous system depression

<b>Mutagenicity:</b>	No information available
<b>Reproductive Effects:</b>	No information available
<b>Developmental Effects:</b>	No information available
<b>Other:</b>	No information available

## 12. ECOLOGICAL INFORMATION

n-butyl acetate(123-86-4)	
Biodegradability (aerobic, 28 days):	83%
Flow-through LC50 (fathead minnow, 96 hrs):	18 mg/L
Static EC50 (Scenedesmus subspicatus, 72 hrs):	674.7 mg/L
Static EC50 (water flea, 48 hrs):	44 mg/L
Hexamethylene diisocyanate(822-06-0)	
Biodegradability (aerobic, 28 days):	42%
Respiration inhibition EC50 (bacteria, 3 hrs):	842 mg/L
Static EC0 (water flea, 48 hrs):	>=89.1 mg/L
Static EC50 (Scenedesmus subspicatus, 72 hrs):	>77.4 mg/L
Static LC0 (zebra fish, 96 hrs):	>=82.8 mg/L

<b>Ecotoxicological Effects:</b>	The environmental impact of this substance has not been fully evaluated
<b>Acute Toxicity to Fish:</b>	No information available
<b>Acute Toxicity to Marine Invertebrates:</b>	No information available
<b>Acute Toxicity to Marine Plants:</b>	No information available
<b>Persistence/Degradability:</b>	No information available
<b>Bioaccumulative Potential:</b>	No information available
<b>Environmental Mobility:</b>	No information available
<b>Ozone:</b>	No information available

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal Method:</b>	Dispose of in accordance with federal, state, provincial, and local regulations. Incineration is recommended.
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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>	III
<b>Reportable Quantity:</b>	n-butyl acetate, 5000 lbs Hexamethylene diisocyanate, 100 lbs

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

<b>IMDG/IMO</b>	
<b>Shipping Name:</b>	Paint
<b>Hazard Class:</b>	3
<b>UN No:</b>	1263
<b>Packing Group:</b>	III

## 15. REGULATORY INFORMATION

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

### SARA 313

This material does not contain any hazardous components exceeding the reporting thresholds established by SARA Title III, Section 313.

### State Right-to-Know

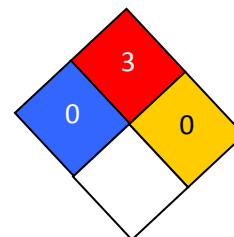
Chemical Name	CAS Number	MA	NJ	PA	RI
Propylene glycol monomethyl ether	107-98-2	X	X	X	

<b>California Proposition 65:</b>	This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm
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## 16. OTHER INFORMATION

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

### NFPA CODES



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

<b>Revision Indicator:</b>	Revised 5/26/2016
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**Disclaimer:**

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.