



MATERIAL SAFETY DATA SHEET

RICHARD'S PAINT COMPANY
PROD. #2400 PART-A

DATE PRINTED: 11/27/13
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SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT CODE: #2400 PART-A
PRODUCT NAME: 2 COMPONENT ALIPHATIC URETHANE PART-A W.B.
MANUFACTURER'S NAME: RICHARD'S PAINT COMPANY
200 PAINT STREET
ROCKLEDGE, FL 32955

Telephone Numbers and Websites:

Product Information	(800)-432-0983 www.richardspaint.com
Medical Emergency – ChemTrec	(800)-434-9300
* Transportation Emergency – ChemTrec	(800)-434-9300
<i>* for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)</i>	

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

Component / Occupational Exposure Limits	CAS No.	% By Weight	
& Titanium Dioxide	No Exposure Limits Established	13463-67-7	28.83
GLYCOL ETHER	No Exposure Limits Established	108-65-6	16.12
* Toluene	OSHA PEL: 200 ppm ACGIH TLV: 100 ppm	108-88-3	16.12
ETHYL ESTER	OTHER: 50 ppm	763-69-9	2.09
* Xylene	OSHA PEL - TWA: 100 ppm ACGIH TLV: 100 ppm ACGIH TLV -STEL: 150 ppm	1330-20-7	1.80
ALIPHATIC HYDROCARBON (VM&P NAPHTHA)	OSHA PEL: 300 ppm ACGIH TLV: 300 ppm	64742-89-8	< 5.0%
PM ACETATE	No Exposure Limits Established	107-98-2	4.32
* ETHYL BENZENE	OSHA PEL - TWA: 100 ppm ACGIH TLV: 100 ppm ACGIH TLV -STEL: 125 ppm	100-41-4	0.77

SECTION 3 – HAZARDOUS IDENTIFICATION

SIGNAL WORD: Danger

HMIS CODES

Health	2
Flammability	3
Reactivity	0
Personal Protection	

HEALTH AND PHYSICAL IDENTIFICATION: Combustible liquid coating and vapor. Irritant. Toxic.

ROUTES OF EXPOSURE	TARGET ORGANS
Inhalation: Yes	Blood: Yes
Skin Contact: Yes	Eyes: Yes
Eye Contact: Yes	Kidneys: Yes
Ingestion: Yes	Liver: Yes
	Lungs: Yes
	Central Nervous System: Yes
	Reproductive: No
	Skin: Yes

EFFECTS OF OVEREXPOSURE

INHALATION: Avoid breathing vapors or mists. Symptoms may include coughing, sore throat, labored breathing, and chest pain. Central nervous system depression with nausea, dizziness, headache or stupor.

SKIN: Mildly irritating but not a skin sensitizer. Symptoms may include redness, burning, and swelling of skin.

EYES: Avoid contact with eyes. Contact with eyes may cause irritation.

INGESTION: May be harmful if swallowed.

OTHER: May produce CNS depression. Pre-existing condition of the following organ(s) may be aggravated by the exposure to this material: lungs

SECTION 4 – FIRST AID MEASURES

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Get medical attention.

SKIN CONTACT: Remove and wash contaminated clothing before re-use. Wash off immediately with soap and plenty of water. If irritation occurs, seek medical attention.

EYE CONTACT: In case of eye contact, flush the eyes with water for 15 minutes. If contact lenses are worn, quickly remove them then flush the eyes with plenty of water. If irritation persists, have a physician examine the eyes.

INGESTION: Seek immediate medical attention. Do not induce vomiting. If vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs.

NOTE TO PHYSICIAN: Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Flash Point: 45 °F

Method Used: Setaflash Closed Cup

Explosion Limits:

Lower (LEL): 0.7%

Upper (UEL): 10.60%

FLAMMABILITY CLASSIFICATION: RED LABEL - Flammable, Flash below 100°F (38°C)

EXTINGUISHING MEDIA: Carbon dioxide (CO₂). Dry chemical. Foam. Water may be ineffective. If area is heavily exposed to fire and if conditions permit, let the fire burn itself out since water may increase the area contaminated. Use dry chemical, CO₂, water spray or "alcohol" foam.

SPECIFIC METHODS: If potential for exposure to vapors or products of combustion exists, wear full fire fighting turnout gear and NIOSH approved self-contained breathing apparatus. In the event of fire, cool containers/tanks with water spray. Keep personnel removed from and upwind of fire.

UNUSUAL HAZARDS: Vapor is heavier than air and can travel considerable distance to a source of ignition and flashback. Toxic fumes may be emitted during combustion or thermal decomposition of this product.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	INFORMATION NOT AVAILABLE.
ENVIRONMENTAL PRECAUTIONS:	Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.
METHODS FOR CLEANUP:	Soak up with inert absorbent material. Sweep up and shovel into suitable covered containers. Dispose of according to all applicable federal, state and local regulations. Use non-sparking tools (bronze, aluminum, plastic, wood) to clean up spill.

SECTION 7 – HANDLING AND STORAGE

HANDLING:	Contents are FLAMMABLE. Keep away from heat, sparks and open flame. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition. Consult NFPA Code. Use approved Bonding and Grounding procedures. Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.
STORAGE CATEGORY:	DOL Storage Class IC

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:	As required by OSHA, the user (employer) must "monitor and maintain the concentration of all hazardous substances in the air below their occupational exposure limits." Use with adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. The product should only be used in areas where all exposed lighting and other sources of ignition have been removed. Electrical equipment should be protected to the appropriate standard. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded and bonded.
RESPIRATORY PROTECTION:	Local exhaust is recommended to ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. If needed, use a NIOSH/MSHA approved respirator equipped with organic vapor cartridges and P100 filters. For emergencies and unknown concentrations, use supplied-air respiratory protection or a positive pressure, self-contained, breathing apparatus (SCBA).
HAND PROTECTION:	Wear solvent-resistant gloves (butyl rubber or neoprene). Gloves should be replaced immediately if signs of degradation are observed.
EYE PROTECTION:	Wear safety glasses with side-shields. If extra protection is required; wear a face-shield over the safety glasses or splash goggles. Face-shields are only effective if worn in addition to safety glasses or splash goggles. An emergency eye wash should be readily available.
SKIN PROTECTION:	Wear a chemical-resistant, butyl-rubber apron and other protective clothing, as deemed appropriate, to avoid skin contact with material. Safety showers should be readily available.
OTHER DATA:	Good personal hygiene and good housekeeping are important. Spilled material may cause the floor or contaminated area to become slippery.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
VAPOR DENSITY: Heavier Than Air
ODOR: Not Significant
DENSITY: 11.27 lb/gl.
SPECIFIC GRAVITY: 1.35
BOILING POINT: 121 - 174°C (250 - 345°F)
EVAPORATION RATE: Slower Than Ether
VOC LESS WATER: 433 g/l
PERCENT VOLITILE BY VOLUME: 47.25%
Ph: Not Determined

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable under recommended storage conditions.
INCOMPATIBILITY: No data found.
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, including carbon monoxide.
HAZARDOUS POLYMERIZATION: Hazardous polymerization does not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

Ingredient	CAS NO.	Oral LD50 Rat	Dermal LD50 Rat	Inhalation LC50 Rat
ETHYL BENZENE	100-41-4	3500 mg/kg	Rabbit 15354 mg/kg	17.2 mg/L 4 h
TRIMETHYLBENZENE	108-67-8	5000 mg/kg		24 g/m ³ 4 h
TOLUENE	108-88-3	636 mg/kg	12124 mg/kg Rabbit 8390 mg/kg	12.5 mg/L 4 h >26700 ppm 1 h
XYLENES (O-, M-, P- ISOMERS)	1330-20-7	4300 mg/kg	Rabbit >1700 mg/kg	5000 ppm 4 h 47635 mg/L 4 h
PETROLEUM NAPHTHA, LIGHT AROMATIC	64742-95-6	8400 mg/kg	Rabbit >2000 mg/kg	>5.2 mg/L 4 h 3400 ppm 4 h
BENZENE 1, 2, 4 - TRY METHYL-	95-63-6	3400 mg/kg	Rabbit >3160 mg/kg	18 g/m ³ 4 h
BENZENE 1-CHLORO-4 (TRIFLUOROMETHYL)	98-56-6	13 g/kg	Rabbit >2 mg/kg	33 mg/L 4 h

CHRONIC TOXICITY: Toluene (108-88-3) may cause damage to the following organs: blood, kidneys, liver, brain, and central nervous system. Overexposure to toluene has been reported to cause hearing loss.

CARCINOGENIC EFFECTS: The International Agency for Research on Cancer (IARC) has classified ethyl benzene as a 2-B Possible Human Carcinogen.

MUTAGENIC EFFECTS: Toluene may affect genetic material.

REPRODUCTIVE TOXICITY: No data found.

SECTION 12 – ECOLOGICAL INFORMATION

No Data Available.

SECTION 13 – DISPOSAL CONSIDERATIONS

METHOD: As the US Environmental Protection Agency (EPA), state, regional, and other regulatory agencies may have jurisdiction over the disposal of the waste generated, it is incumbent upon the waste generator to learn of and satisfy all of the waste disposal requirements which affect them. US EPA Hazardous Waste Numbers are applicable to the unadulterated product if it enters the "waste stream".

US EPA HAZARDOUS WASTE NUMBERS: None

SECTION 14 – TRANSPORT INFORMATION

The data provided in this section is for information only and may not be specific to your package size or mode of transport. You will need to apply the appropriate regulations to properly classify your shipment for transportation.

US GROUND (DOT):	5 Liters (1.3 Gallons) and Less may be Classed as LTD, QTY, OR ORM-D. Larger Containers are Regulated as: UN1263, PAINT, 3, PG III, (ERG#128)
DOT (Dept. of Transportation) HAZARDOUS SUBSTANCES & REPORTABLE QUANTITIES: Bulk Containers May Be Shipped As (check reportable quantities):	Ethyl Benzene 1000 lb RQ. Xylenes (isomers and mixture) 100 lb RQ RQ, UN1263, PAINT, 3, PG III, (XYLENES (ISOMERS AND MIXTURE)), (ERG#128)
CANADA (TDG):	UN1263, PAINT, 3, PG III, LIMITED QUANTITY, (ERG#128)
IMO:	5 Liters (1.3 Gallons) and Less may be Shipped as Limited Quantity. UN1263, PAINT, CLASS 3, PG III, (39 C c.c.), EmS F-E, S-E
IATA / ICAO:	UN1263, PAINT, 3, PG III

SECTION 15 – REGULATORY INFORMATION

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical(s) which are subject the reporting requirements of the Act and 40 CFR Part 372:

CHEMICAL COMPONENT	CAS NO.	% by Weight
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*** NO REPORTABLE QUANTITIES OF HAZARDOUS INGREDIENTS ARE PRESENT ***

TSCA 12 b:	All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.
CALIFORNIA PROPOSITION 65:	Warning: This product contains chemicals known to the State of California to cause cancer and birth defects of other reproductive harm.

SECTION 16 – OTHER INFORMATION

NON-WARRANTY: The information presented in this publication is based upon the research and experience of Richard's Paint. No representation or warranty is made, however, concerning the accuracy or completeness of the information presented in this publication. Richard's Paint makes no warranty or representation of any kind, express or implied, including without limitation any warranty or merchantability or fitness for any particular purpose, and no warranty or representation shall be implied by law or otherwise. Any products sold by Richard's Paint are not warranted as suitable for any particular purpose to the buyer. The suitability of any products for any purpose particular to the buyer is for the buyer to determine. Richard's Paint assumes no responsibility for the selection of products suitable to the particular purposes of any particular buyer. Richard's Paint shall in no event be liable for any special, incidental, or consequential damages.

MSDS STATUS: Approved
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