

SAFETY DATA SHEET



2420-TH - SPRAYING THINNER


1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	2420-TH - SPRAYING THINNER
Product Code:	2420-TH
Product Use:	Paint thinner

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

Classification:	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 2 Serious Eye Damage/Eye Irritation: Category 2A
Signal Word:	Danger
Pictograms:	
Hazard Statements:	H225: Highly flammable liquid and vapor H319: Causes serious eye irritation H336: May cause drowsiness or dizziness
Prevention Precautionary Statements:	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 P280: Wear protective gloves/eye protection

Response Precautionary Statements:	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. P337+313: If eye irritation persists get medical advice/attention P370+378: In case of fire: Use CO2, dry chemical, or foam to extinguish
Storage Precautionary Statements:	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.
Disposal Precautionary Statements:	P501: Dispose of contents/container to an approved waste disposal plant
Hazards Not Otherwise Classified:	Repeated exposure may result in drying/cracking of skin

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number
Propylene glycol monomethyl ether	40% to 50%	107-98-2
Methyl ethyl ketone	20% to 30%	78-93-3
Toluene	10% to 20%	108-88-3
Xylene	5% to 10%	1330-20-7
Ethylbenzene	1% to 5%	100-41-4
Cumene	0% to 1%	98-82-8

4. FIRST AID MEASURES

General Advice:	Call a physician if symptoms persist. Show SDS to physician.
Eyes:	Remove contact lenses, if applicable. Flush eyes with water for at least 15 minutes. Consult a physician.
Skin:	Remove contaminated clothing. Flush affected area with soap and water. Consult a physician if irritation persists. Wash contaminated clothing before re-use.
Ingestion:	Remove dentures if applicable and wash out mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician.
Inhalation:	Move to fresh air. Consult a physician if necessary. If not breathing, give artificial respiration and consult a physician immediately.
Most Important Symptoms/Effects:	None known
Notes to Physician:	Treat symptomatically

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Foam, dry powder, CO ₂ , water spray. Use measures suitable to the circumstances and environment.
Precautions for Firefighters:	Wear self-contained breathing apparatus and protective gear
Specific Hazards:	Carbon oxides Product is combustible. Thermal decomposition may release irritating gases/vapors. Sealed containers may rupture if exposed to high temperatures.
Mechanical Impact Sensitivity:	No
Static Discharge Sensitivity:	Yes

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Remove all sources of ignition. Use proper personal protective equipment. Avoid breathing vapors.
Other Precautions:	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.
Clean-Up Method:	Soak up with inert absorbent material. Dispose of used absorbent in suitable containers.

7. HANDLING AND STORAGE

Handling Precautions:	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.
Storage Precautions:	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.
Incompatible Materials:	Oxidizers, strong reducing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methyl ethyl ketone(78-93-3)		
ACGIH STEL:	300 ppm	--
ACGIH TWA:	200 ppm	--
NIOSH ST:	300 ppm	885 mg/m ³
NIOSH TWA:	200 ppm	590 mg/m ³
OSHA TWA:	200 ppm	590 mg/m ³
Cumene(98-82-8)		
ACGIH TWA:	50 ppm	--
NIOSH TWA:	50 ppm	245 mg/m ³
OSHA TWA:	50 ppm	245 mg/m ³
Ethylbenzene(100-41-4)		
ACGIH STEL:	125 ppm	--
ACGIH TWA:	20 ppm	--
NIOSH ST:	125 ppm	545 mg/m ³
NIOSH TWA:	100 ppm	435 mg/m ³

OSHA STEL:	125 ppm	545 mg/m ³
OSHA TWA:	100 ppm	435 mg/m ³
Propylene glycol monomethyl ether(107-98-2)		
ACGIH STEL:	100 ppm	--
ACGIH TWA:	50 ppm	--
NIOSH ST:	150 ppm	540 mg/m ³
NIOSH TWA:	100 ppm	360 mg/m ³
Toluene(108-88-3)		
ACGIH TWA:	20 ppm	--
NIOSH ST:	150 ppm	560 mg/m ³
NIOSH TWA:	100 ppm	375 mg/m ³
OSHA CEIL:	300 ppm	--
OSHA peak:	500 ppm	--
OSHA STEL:	150 ppm	560 mg/m ³
OSHA TWA:	100 ppm	375 mg/m ³
Xylene(1330-20-7)		
ACGIH STEL:	150 ppm	--
ACGIH TWA:	100 ppm	--
OSHA TWA:	100 ppm	435 mg/m ³

Engineering Measures:	Maintain adequate ventilation to keep exposure to airborne contaminants at safe levels. Use explosion-proof equipment.
Hygiene Measures:	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.
Eye/Face Protection:	Safety glasses/goggles
Skin Protection:	Protective gloves and long-sleeved protective clothing
Respiratory Protection:	Respiratory equipment if ventilation is inadequate

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Colorless
Odor:	Solvent
Odor Threshold:	No information available
pH:	No information available
Melting Point (°F):	No information available
Boiling Point (°F):	176.0 -246
Flash Point (°F):	26.62
Flash Point Method:	Closed cup
Evaporation Rate:	No information available
Flammability (Solid/Gas):	No information available
Flammability Limits:	No information available
Vapor Pressure (mm Hg):	No information available
Vapor Density:	No information available
Specific Gravity:	No information available

% Solubility in Water:	No information available
Octanol/Water Partition Coefficient:	No information available
Auto-Ignition Temperature (°F):	No information available
Decomposition Temperature (°F):	No information available
Viscosity (KU):	No information available

10. STABILITY AND REACTIVITY

Reactivity:	No information available
Possibility of Hazardous Reactions:	Vapors may form explosive mixture with air
Hazardous Decomposition Products:	Carbon oxides
Stability:	Stable under normal conditions
Incompatible Materials:	Oxidizers, strong reducing agents
Conditions to Avoid:	Heat, sparks, ignition sources Moisture

11. TOXICOLOGICAL INFORMATION

Methyl ethyl ketone(78-93-3)	
Dermal LD50 (rabbit):	6480 mg/kg
Inhalation LC50 (mouse, 4 hrs):	32000 mg/m3
Oral LD50 (rat):	2737 mg/kg
Cumene(98-82-8)	
NOAEL feed (rat):	>535.8 mg/kg
Oral LD50 (rat):	2260 mg/kg
Ethylbenzene(100-41-4)	
Dermal LD50 (rabbit):	15433 mg/kg
Oral LD50 (rat):	3500 mg/kg
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
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

Primary Routes of Exposure:	Eye contact, skin contact, inhalation
Acute Toxicity:	No information available

Exposure Effects	
Eye Contact:	No information available

Skin Contact:	No information available
Inhalation:	No information available
Ingestion:	No information available
Target Organ (Single Exposure):	Dizziness, drowsiness
Target Organ (Repeated Exposure):	No information available
Sensitization:	No information available
Neurological Effects:	No information available
Mutagenicity:	No information available
Reproductive Effects:	No information available
Developmental Effects:	No information available
Other:	No information available

12. ECOLOGICAL INFORMATION

Methyl ethyl ketone(78-93-3)	
EC50 (water flea, 24 hrs):	7060 mg/L
LC50 (fathead minnow, 96 hrs):	3130-3320 mg/L
LC50 (water flea, 48 hrs):	>520 mg/L
Mortality NOEC (sheepshead minnow, 96 hrs):	400 mg/L
Cumene(98-82-8)	
EC50 (green algae, 72 hrs):	2.6 mg/L
EC50 (water flea, 48 hrs):	2.14 mg/L
LC50 (rainbow trout, 96 hrs):	4.8 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
Toluene(108-88-3)	
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

Ecotoxicological Effects:	The environmental impact of this substance has not been fully evaluated
Acute Toxicity to Fish:	No information available
Acute Toxicity to Marine Invertebrates:	No information available
Acute Toxicity to Marine Plants:	No information available

Persistence/ Degradability:	No information available
Bioaccumulative Potential:	No information available
Environmental Mobility:	No information available
Ozone:	No information available

13. DISPOSAL CONSIDERATIONS

Disposal Method:	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

<u>DOT</u>	
Shipping Name:	Paint-related material
Hazard Class:	3
UN No:	1263
Packing Group:	II
Reportable Quantity:	Methyl ethyl ketone, 5000 lbs

<u>ICAO/IATA</u>	
Shipping Name:	Paint-related material
Hazard Class:	3
UN No:	1263
Packing Group:	II

<u>IMDG/IMO</u>	
Shipping Name:	Paint-related material
Hazard Class:	3
UN No:	1263
Packing Group:	II

15. REGULATORY INFORMATION

TSCA (US):	All components are listed or exempt
DSL (Canada):	All components are listed or exempt

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

SARA 313			
Chemical Name	CAS Number	Max Weight %	de minimis limit
Toluene	108-88-3	20	1.0
Ethylbenzene	100-41-4	5	0.1

Xylene	1330-20-7	10	1.0
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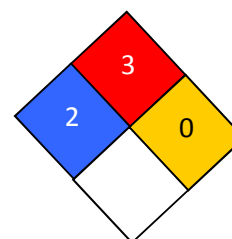
State Right-to-Know					
Chemical Name	CAS Number	MA	NJ	PA	RI
Propylene glycol monomethyl ether	107-98-2	X	X	X	
Cumene	98-82-8	X	X	X	
Toluene	108-88-3	X	X	X	
Ethylbenzene	100-41-4	X	X	X	
Xylene	1330-20-7	X	X	X	

California Proposition 65:	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

HMIS RATING	
Health:	2*
Flammability:	3
Reactivity:	0
Personal Protection:	--

NFPA CODES



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

Revision Indicator:	Revised 5/26/2016
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.