

# SAFETY DATA SHEET



## 522 - Shield's All Decorative Stone & Paver Sealer

### 1. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name:</b>	Shield's All Decorative Stone & Paver Sealer
<b>Product Code:</b>	522
<b>Product Use:</b>	Sealer

**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) Specific Target Organ Toxicity (Repeated Exposure): Category 1 Aspiration Toxicity: Category 1 Flammable Liquid: Category 3 Skin Sensitization: Category 1 Carcinogenicity: Category 2
<b>Signal Word:</b>	Danger
<b>Pictograms:</b>	
<b>Hazard Statements:</b>	H226: Flammable liquid and vapor H304: May be fatal if swallowed and enters airways H317: May cause an allergic skin reaction H351: Suspected of causing cancer H372: Causes 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>P270: Do not eat, drink, or smoke when using this product</p> <p>P272: Contaminated work clothing should not be allowed out of the workplace</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>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>P333+313: If skin irritation or a rash 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>P363: Wash contaminated clothing before reuse</p> <p>P331: Do NOT induce vomiting</p>
<b>Storage Precautionary Statements:</b>	<p>P405: Store locked up</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>	Objects or materials soaked in this substance may spontaneously ignite if not properly disposed of

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Weight %	CAS Number
Stoddard solvent (mineral spirits)	50% to 60%	8052-41-3
Xylenes (isomers and mixture)	10% to 20%	1330-20-7
1,2,4-trimethylbenzene	1% to 5%	95-63-6
Ethylbenzene	1% to 5%	100-41-4
Cyclohexanone	0% to 1%	108-94-1
Toluene	0% to 1%	108-88-3
Isobutyl methacrylate	0% to 1%	97-86-9

### 4. FIRST AID MEASURES

**General Advice:** 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 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>	May cause allergic skin reaction
<b>Notes to Physician:</b>	Treat symptomatically

## 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>	Product is combustible. Thermal decomposition may release irritating gases/vapors. Explosive vapors may collect in low or confined areas.

## 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. Thoroughly clean contaminated surface.

## 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 acids, strong bases, strong oxidizing agents

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

1,2,4-trimethylbenzene(95-63-6)		
ACGIH TWA:	25 ppm	--

NIOSH TWA:	25 ppm	125 mg/m <sup>3</sup>
Cyclohexanone(108-94-1)		
ACGIH STEL:	50 ppm	--
ACGIH TWA:	20 ppm	--
NIOSH TWA:	25 ppm	100 mg/m <sup>3</sup>
OSHA TWA:	50 ppm	200 mg/m <sup>3</sup>
Ethylbenzene(100-41-4)		
ACGIH STEL:	125 ppm	--
ACGIH TWA:	20 ppm	--
NIOSH ST:	125 ppm	545 mg/m <sup>3</sup>
NIOSH TWA:	100 ppm	435 mg/m <sup>3</sup>
OSHA STEL:	125 ppm	545 mg/m <sup>3</sup>
OSHA TWA:	100 ppm	435 mg/m <sup>3</sup>
Stoddard solvent (mineral spirits)(8052-41-3)		
ACGIH TWA:	100 ppm	--
NIOSH ceiling (15 min):	--	1800 mg/m <sup>3</sup>
NIOSH TWA:	--	350 mg/m <sup>3</sup>
OSHA TWA:	500 ppm	2900 mg/m <sup>3</sup>
Toluene(108-88-3)		
ACGIH TWA:	20 ppm	--
NIOSH ST:	150 ppm	560 mg/m <sup>3</sup>
NIOSH TWA:	100 ppm	375 mg/m <sup>3</sup>
OSHA CEIL:	300 ppm	--
OSHA peak:	500 ppm	--
OSHA STEL:	150 ppm	560 mg/m <sup>3</sup>
OSHA TWA:	100 ppm	375 mg/m <sup>3</sup>
Xylenes (isomers and mixture)(1330-20-7)		
ACGIH STEL:	150 ppm	--
ACGIH TWA:	100 ppm	--
OSHA TWA:	100 ppm	435 mg/m <sup>3</sup>

<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>	Clear
<b>Odor:</b>	Little to none
<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>	>=100

<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>	No information available
<b>Volatile Organic Compounds (g/L):</b>	653

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	Not applicable
<b>Possibility of Hazardous Reactions:</b>	None under normal conditions of use
<b>Hazardous Decomposition Products:</b>	Irritating vapors
<b>Stability:</b>	Stable under normal storage conditions
<b>Incompatible Materials:</b>	Strong acids, strong bases, strong oxidizing agents
<b>Conditions to Avoid:</b>	Heat, sparks, ignition sources

## 11. TOXICOLOGICAL INFORMATION

1,2,4-trimethylbenzene(95-63-6)	Oral LD50 (rat):	6000 mg/kg
Cyclohexanone(108-94-1)	Dermal LD50 (rabbit):	794-3160 mg/kg
	Inhalation LC50 (rat, 4 hrs):	>6.2 mg/L
	Oral LD50 (rat):	1534 mg/kg
Ethylbenzene(100-41-4)	Dermal LD50 (rabbit):	15433 mg/kg
	Oral LD50 (rat):	3500 mg/kg
Isobutyl methacrylate(97-86-9)	Dermal LD50 (guinea pig):	>17760 mg/kg
	Oral LD50 (rat):	9590 mg/kg

Stoddard solvent (mineral spirits)(8052-41-3)	
Dermal LD50 (rabbit):	>2000 mg/kg
Inhalation LC50 (rat, 4 hrs):	>5 mg/L
Oral LD50 (rat):	>5000 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>	Repeated or prolonged exposure may to lead to permanent brain and nervous system damage. Inhalation of concentrated vapors may lead to death.

<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>	Irritation of mucous membranes, pulmonary injuries if breathed in during ingestion or vomiting
<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>	No information available
<b>Other:</b>	No information available

## 12. ECOLOGICAL INFORMATION

1,2,4-trimethylbenzene(95-63-6)	
Flow-through LC50 (fathead minnow, 96 hrs):	7.72 mg/L
Static EC50 (water flea, 48 hrs):	3.6 mg/L
Cyclohexanone(108-94-1)	
Biodegradability:	90-100%
EC50 (water flea, 24 hrs):	820 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
Isobutyl methacrylate(97-86-9)	
Aerobic biodegradability (28 days):	74.3%
BOD:	600 mg/L
Growth inhibition EC50 (freshwater algae, 96 hrs):	0.29 mg/L
Immobilization EC50 (water flea, 48 hrs):	>29 mg/L
LC50 (rainbow trout, 96 hrs):	20 mg/L

<b>Stoddard solvent (mineral spirits)(8052-41-3)</b>	
Chronic growth NOELR (aquatic vertebrates):	2.6 mg/L
Chronic reproduction EL50 (water flea):	10 mg/L
Chronic reproduction NOELR (water flea):	2.6 mg/L
Chronic survival NOELR (aquatic vertebrates):	2.6 mg/L
Chronic survival NOELR (water flea):	16 mg/L
EL50 (oncorhynrus mykiss, 48 hrs):	32 mg/L
EL50 (scenedesmus subspicatus, 96 hrs):	45 mg/L
LL50 (oncorhynrus mykiss, 96 hrs):	8.2 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>	III

<b>ICAO/IATA</b>	
<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/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 Cyclohexanone, 5000 lbs

<b>SARA 313</b>			
<b>Chemical Name</b>	<b>CAS Number</b>	<b>Max Weight %</b>	<b>de minimis limit</b>
Xylenes (isomers and mixture)	1330-20-7	20	1.0
1,2,4-trimethylbenzene	95-63-6	5	1.0
Ethylbenzene	100-41-4	5	0.1

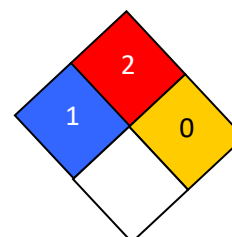
<b>State Right-to-Know</b>						
<b>Chemical Name</b>	<b>CAS Number</b>	<b>MA</b>	<b>NJ</b>	<b>PA</b>	<b>RI</b>	
Stoddard solvent (mineral spirits)	8052-41-3	X	X	X	X	
Xylenes (isomers and mixture)	1330-20-7	X	X	X	X	
1,2,4-trimethylbenzene	95-63-6	X	X	X		
Ethylbenzene	100-41-4	X	X	X	X	
Cyclohexanone	108-94-1	X	X	X	X	
Toluene	108-88-3	X	X	X	X	
Isobutyl methacrylate	97-86-9		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.
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## 16. OTHER INFORMATION

<b>HMIS RATING</b>	
Health:	1*
Flammability:	2
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 2/22/2021
<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.