

SAFETY DATA SHEET



2710-A - (S.F.)/EMERALD SEA

1. PRODUCT AND COMPANY IDENTIFICATION

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|----------------------|-----------------------------|
| Product Name: | 2710-A - (S.F.)/EMERALD SEA |
| Product Code: | 2710-A |
| Product Use: | 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

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| Classification: | This material is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) Aspiration Toxicity: Category 1 Carcinogenicity: Category 1A Germ Cell Mutagenicity: Category 1B Flammable Liquid: Category 2 Reproductive Toxicity: Category 1B |
| Signal Word: | Danger |
| Pictograms: | |
| Hazard Statements: | H225: Highly flammable liquid and vapor H304: May be fatal if swallowed and enters airways H340: May cause genetic defects H350: May cause cancer H360: May damage fertility or the unborn child |

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| Prevention Precautionary Statements: | P201: Obtain special instructions before use P202: Do not handle until all safety precautions have been read and understood 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 P281: Use personal protective equipment as required |
| Response Precautionary Statements: | P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P308+313: IF exposed: Call a POISON CENTER or doctor/physician P370+378: In case of fire: Use CO ₂ , dry chemical, or foam to extinguish P331: Do NOT induce vomiting |
| Storage Precautionary Statements: | P405: Store locked up 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: | None |

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | Weight % | CAS Number |
|--|------------|------------|
| Titanium dioxide | 20% to 30% | 13463-67-7 |
| Fatty acids, C-18 unsald., dimers, reaction products with polyethylene | 10% to 20% | 68410-23-1 |
| Kaolin | 10% to 20% | 1332-58-7 |
| Xylenes (isomers and mixture) | 10% to 20% | 1330-20-7 |
| Solvent naptha, light aromatic | 10% to 20% | 67472-95-6 |
| Ethylene glycol monopropyl ether | 1% to 5% | 2807-30-9 |
| Ethylbenzene | 1% to 5% | 100-41-4 |
| 1,2,4-trimethylbenzene | 1% to 5% | 95-63-6 |
| Triethylenetetramine | 0% to 1% | 112-24-3 |
| 2,4,6-tris(dimethylaminomethyl)phenol | 0% to 1% | 90-72-2 |
| Butyl acetate | 0% to 1% | 123-86-4 |
| Propylene glycol monomethyl ether acetate | 0% to 1% | 108-65-6 |
| Aliphatic hydrocarbons | 0% to 1% | 64742-95-6 |
| Cumene | 0% to 1% | 98-82-8 |
| Castor oil, sulfated, sodium salt | 0% to 1% | 68187-76-8 |

4. FIRST AID MEASURES

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| General Advice: | Call a physician if symptoms persist. Show SDS to physician. |
| Eyes: | 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. |
| 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. Drink large amounts of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician. |
| Inhalation: | Move to fresh air. If not breathing, give artificial respiration and consult a physician immediately. Consult a physician if symptoms persist. |
| Most Important Symptoms/Effects: | No information available |
| Notes to Physician: | Treat symptomatically |

5. FIRE FIGHTING MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

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| Personal Precautions: | Remove all sources of ignition. Use proper personal protective equipment. Avoid contact with skin, eyes, and clothing. 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 non-combustible absorbent material. Dispose of used absorbent in suitable containers. Thoroughly clean contaminated surface. |

7. HANDLING AND STORAGE

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| Handling Precautions: | 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. |
| Storage Precautions: | 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. |
| Incompatible Materials: | Strong acids, strong bases, strong oxidizing agents |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

| | | |
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| 1,2,4-trimethylbenzene(95-63-6) | | |
| ACGIH TWA: | 25 ppm | -- |
| NIOSH TWA: | 25 ppm | 125 mg/m ³ |

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| 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 |
| Cumene(98-82-8) | | |
| ACGIH TWA: | 50 ppm | -- |
| NIOSH TWA: | 50 ppm | 245 mg/m3 |
| OSHA TWA: | 50 ppm | 245 mg/m3 |
| 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 |
| Fatty acids, C-18 unsald., dimers, reaction products with polyethylene(68410-23-1) | | |
| WEEL PEL: | 1 ppm | -- |
| Kaolin(1332-58-7) | | |
| ACGIH TWA: 2 mg/m3 | NIOSH TWA: 5 mg/m3 | OSHA TWA: 5 mg/m3 |
| Propylene glycol monomethyl ether acetate(108-65-6) | | |
| WEEL TWA: | 50 ppm | -- |
| Solvent naptha, light aromatic(67472-95-6) | | |
| ACGIH: | 100 ppm | -- |
| OSHA: | 100 ppm | -- |
| Titanium dioxide(13463-67-7) | | |
| TWA: | ACGIH: 10 mg/m3 | OSHA: 15 mg/m3 |
| Triethylenetetramine(112-24-3) | | |
| WEEL TWA: | 1 ppm | -- |
| Xylenes (isomers and mixture)(1330-20-7) | | |
| ACGIH STEL: | 150 ppm | -- |
| ACGIH TWA: | 100 ppm | -- |
| OSHA TWA: | 100 ppm | 435 mg/m3 |

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| 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: | 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

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| Physical State: | Liquid |
| Color: | Blue-green |
| Odor: | Solvent |
| Odor Threshold: | No information available |
| pH: | No information available |
| Melting Point (°F): | No information available |

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| Boiling Point (°F): | No information available |
| Flash Point (°F): | 81 |
| Flash Point Method: | No information available |
| 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): | 75-80 |
| Volatile Organic Compounds (g/L): | 470 |

10. STABILITY AND REACTIVITY

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| Reactivity: | No information available |
| Possibility of Hazardous Reactions: | None under normal conditions of use |
| Hazardous Decomposition Products: | Irritating vapors |
| Stability: | Stable under normal storage conditions |
| Incompatible Materials: | Strong acids, strong bases, strong oxidizing agents |
| Conditions to Avoid: | Heat, sparks, ignition sources |

11. TOXICOLOGICAL INFORMATION

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| 1,2,4-trimethylbenzene(95-63-6) | |
| Oral LD50 (rat): | 6000 mg/kg |
| 2,4,6-tris(dimethylaminomethyl)phenol(90-72-2) | |
| Oral LD50 (rat): | 2169 mg/kg |
| 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 |
| 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 |

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| 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 |
| Ethylene glycol monopropyl ether(2807-30-9) | |
| LC50 (Inhalation - Mouse - 7 h) | 1530 ppm |
| LD50 (Dermal - Rabbit) | 1,337 mg/kg |
| LD50 (Oral - Rat) | 3,089 mg/kg |
| Fatty acids, C-18 unsald., dimers, reaction products with polyethylene(68410-23-1) | |
| Dermal LD50: | >5000 mg/kg |
| Oral LD50: | >5000 mg/kg |
| Propylene glycol monomethyl ether acetate(108-65-6) | |
| Dermal LD50 (rat): | >2000 mg/kg |
| Oral LD50 (rat): | 8532 mg/kg |
| Solvent naptha, light aromatic(67472-95-6) | |
| Dermal LD50: | >3160 mg/kg |
| Oral LD50: | >3000 mg/kg |
| Titanium dioxide(13463-67-7) | |
| Dermal LD50 (rabbit): | >10000 mg/kg |
| Oral LD50 (rat): | >10000 mg/kg |
| Triethylenetetramine(112-24-3) | |
| Dermal LD50 (rabbit): | 550 mg/kg |
| Oral LD50 (rat): | 2500 mg/kg |

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| Primary Routes of Exposure: | Eye contact, skin contact, inhalation |
| Acute Toxicity: | Repeated or prolonged exposure may to lead to permanent brain and nervous system damage. Inhalation of concentrated vapors may lead to death. |

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| Exposure Effects | |
| Eye Contact: | No information available |
| Skin Contact: | No information available |
| Inhalation: | No information available |
| Ingestion: | No information available |
| Target Organ (Single Exposure): | No information available |
| Target Organ (Repeated Exposure): | No information available |
| Sensitization: | No information available |
| Carcinogenicity: | No information available |
| Mutagenicity: | No information available |
| Reproductive Toxicity: | No information available |
| Other: | No information available |

12. ECOLOGICAL INFORMATION

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| 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 |

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| 2,4,6-tris(dimethylaminomethyl)phenol(90-72-2) | |
| Biodegradability (aerobic, 28 days): | 4% |
| Static EC50 (Scenedesmus subspicatus, 72 hrs): | 84 mg/L |
| Static LC50 (carp, 96 hrs): | 175 mg/L |
| 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 |
| 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 |
| Ethylene glycol monopropyl ether(2807-30-9) | |
| EC50 (Pseudokirchneriella subcapitata - 72 h) | 100 mg/l |
| LC50 (fathead minnow - 96 h) | 5,000 mg/l |
| LC50 (water flea - 48 H) | 5,000 mg/l |
| Propylene glycol monomethyl ether acetate(108-65-6) | |
| 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 |
| Titanium dioxide(13463-67-7) | |
| EC50 (water flea, 48 hrs): | >1000 mg/L |
| LC50 (fish, 96 hrs): | >1000 mg/L |

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

13. DISPOSAL CONSIDERATIONS

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| 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

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| DOT | |
| Shipping Name: | Paint |
| Hazard Class: | 3 |
| UN No: | 1263 |
| Packing Group: | II |

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

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| IMDG/IMO | |
| Shipping Name: | Paint |
| Hazard Class: | 3 |
| UN No: | 1263 |
| Packing Group: | II |

15. REGULATORY INFORMATION

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| TSCA (US): | Not all components are listed |
| DSL/NDSL (Canada): | Not all components are listed |

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| 311/312 Hazard Categories | |
| Fire: | Yes |
| Pressure Generating: | No |
| Reactivity: | No |
| Acute: | Yes |
| Chronic: | Yes |

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| CERCLA Section 302 | |
| Reportable Quantities: | Ethylbenzene, 1000 lbs Butyl acetate, 5000 lbs Xylenes (isomers and mixture), 100 lbs Cumene, 5000 lbs |

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

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|---|-------------------|-----------|-----------|-----------|-----------|--|
| State Right-to-Know | | | | | | |
| Chemical Name | CAS Number | MA | NJ | PA | RI | |
| Titanium dioxide | 13463-67-7 | X | X | X | X | |
| Kaolin | 1332-58-7 | X | X | X | X | |
| Xylenes (isomers and mixture) | 1330-20-7 | X | X | X | X | |
| Ethylene glycol monopropyl ether | 2807-30-9 | | X | X | | |
| Ethylbenzene | 100-41-4 | X | X | X | X | |
| 1,2,4-trimethylbenzene | 95-63-6 | X | X | X | | |
| Triethylenetetramine | 112-24-3 | X | X | X | | |
| 2,4,6-tris(dimethylaminomethyl)phenol | 90-72-2 | | X | X | | |
| Butyl acetate | 123-86-4 | X | X | X | X | |
| Propylene glycol monomethyl ether acetate | 108-65-6 | | X | X | | |

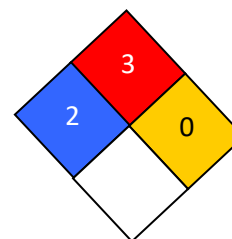
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|-----------------------------------|------------|---|---|---|---|
| Aliphatic hydrocarbons | 64742-95-6 | | X | X | |
| Cumene | 98-82-8 | X | X | X | X |
| Castor oil, sulfated, sodium salt | 68187-76-8 | | X | X | |

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| California Proposition 65: | 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

| 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.

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| Revision Indicator: | Revised 9/10/2018 |
| 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. |