

Material Safety Data Sheet



Section 1: Product Information

Manufacturer's Name / Address: Floritec Polytech, Inc. 1400 S. Geronimo Ave. Parker, AZ 85344	Trade Name: CS-101 Clearseal
Info. Phone: (928) 669-1680	Chemical Family: Polymeric Ester Solution
Emergency Phone: 1-800-424-9300 CHEMTREC 24 Hours	Intended Use: Concrete Sealer, Decorative coating

Section 2: Hazards Identification

Likely Routes of Exposure: Eye Inhalation Skin Contact Ingestion

Overexposure Effects (organs or systems targeted or affected): May be toxic to kidneys, liver, skin and central nervous system (CNS)

POTENTIAL HEALTH EFFECTS:

Chronic:

- May cause target organ damage with repeated or long term exposure
- Prolonged and repeated contacts may cause allergic skin reactions and/or dermatitis.

Acute:

- Contact with eyes may result in redness, swelling and tearing.
- May cause skin irritation, sensitization and redness with contact.
- May be moderately irritating to respiratory tract if inhaled. In concentrations of 1000 ppm or higher may cause drowsiness, dizziness, nausea or unconsciousness.
- Ingestion is not considered a primary route of entry but large amounts are anticipated to cause gastrointestinal distress. Aspiration of material into lungs is the greatest hazard.

Section 3: Hazardous Ingredients

No.	Hazardous Component	CAS #	% of Total
1	Methyl Methacrylate and 2-Ethylhexylacrylate copolymer	25265-15-0	< 28%
2	Light Aromatic Solvent	64742-95-6	≤ 26%
3	Xylene	1330-20-7	≤ 0.5%
4	Parachlorobenzotrifluoride, PCBFT	98-56-6	<10%
5	1,3-Dioxolan-2-one, 4-methyl	108-32-7	< 7%
6	Acetone	67-64-1	< 70%
7	Styrene	100-42-5	< 0.5%
8			
9			

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Section 4: First Aid Measures

General: Move person to an area free from further exposure. If unconscious seek emergency medical assistance immediately. Treat symptomatically. NEVER ATTEMPT TO GIVE ANYTHING BY MOUTH TO A PERSON WHO IS UNCONSCIOUS.

Eyes: Flush with running water for 15 minutes while holding eyes open. Flush under eyelids to clear any trapped debris. Seek medical attention immediately.

Skin: Remove contaminated clothing immediately. Wash affected areas thoroughly with soap and water removing all material. Do not use clothing again until properly laundered. Dispose of if required. Seek medical attention if symptoms arise or persist.

Inhalation: Remove affected person from further risk of exposure and seek medical assistance immediately. Administer oxygen or artificial respiration as needed.

Ingestion: DO NOT INDUCE VOMITING! Seek medical attention immediately. *Never induce vomiting or give liquid to an unconscious person.*

Section 5: Fire Fighting Measures

Hazardous Combustion Products:	Carbon monoxide, carbon dioxide, reactive hydrocarbons, irritating vapors
Extinguishing Media:	Water spray/fog, dry chemical, alcohol foam
Special Firefighting Procedures:	Wear full protective equipment with self contained breathing apparatus.
Unusual Fire and Explosion Hazards:	Vapors may travel considerable distance to source of ignition and flash back. Ingredient(s) may form explosive mixtures in combination with hydrogen peroxide or other strong oxidizers, certain acids or their combinations

Section 6: Accidental Release Measures

General: Clear all non-essential personnel from spill area. If indoors ventilate the area. Remove all sources of ignition. Provide cleanup personnel with proper protective equipment such as gloves, eyewear, protective clothing and breathing equipment as required. Extinguish any open flames and/or potential points of ignition.

Cleanup of Small Spills: Dike or impound material to prevent spreading and prevent further spillage if possible. Cover spill with appropriate absorbent material. Collect material in appropriate container or vessel. Remove containers to safe area and cover to await reclamation or disposal. Area may be rinsed with water but do not allow it to be flushed into sewers or natural waterways.

Cleanup of Large Spills: Contain material as above and contact local fire or police department for immediate emergency response.

Section 7: Handling and Storage

Safe Storage Considerations: Store in cool, dry, ventilated conditions. Do not allow material to freeze. Keep away from points of ignition and avoid excessive heat. Keep containers tightly sealed when not in use.

Safe Handling Considerations: Use proper workplace hygiene practices. Keep work areas clear and uncluttered. Use personal protective equipment when required as specified in Section 8.

Section 8: Exposure Controls/Personal Protection

No.	Hazardous Component	OSHA PEL (TWA)	ACGIH TLV (TWA)
1	Methyl Methacrylate and 2-Ethylhexylacrylate copolymer	NE	NE
2	Light Aromatic Solvent	NE	NE
3	Xylene	100 ppm (vapor)	100 ppm (vapor)
4	Parachlorobenzotrifluoride, PCBFT	NE	NE
5	1,3-Dioxolan-2-one, 4-methyl	NE	NE
6	Acetone	1000 ppm (vapor)	750 ppm (vapor)
7	Styrene	100 ppm (vapor)	50 ppm (vapor)
8			
9			

Respiratory Protection: If necessary use a NIOSH approved air purifying respirator appropriate to keep breathing air below the acknowledged exposure limits.

Skin Protection: Wear chemical resistant clothing such as gloves, apron, boots or full coverage suits as appropriate.

Eye Protection: Full coverage safety glasses; chemical goggles or full-face shield may be substituted. Contact lenses should not be worn.

Eye Wash & Shower Station Requirements: Should be locally accessible and properly maintained.

Other Protective Equipment (glove box, ventilation, etc.): Sufficient local exhaust and ventilation as required to keep airborne concentrations safely below the acknowledged exposure limits.

Section 9: Physical and Chemical Characteristics

Boiling Point (°C):	140 °C – 150 °C	Specific Gravity:	1.03
Vapor Pressure:	< 10 mmHg @ 25	Melting Point:	-95 °C (solvent)
Vapor Density:(Air = 1)	2.6 (solvent)	Evaporation Rate:(Butyl Acetate=1)	NE
Solubility in Water:	Miscible	pH:	NE
Freezing Point	-89 °C (solvent)	Flash Point (°C):	≥ 45 °C (closed cup)
Coefficient of Oil/Water Distribution:	Log(o/w)= -0.2 (solvent)	Conditions of Flammability:	Flammable
Odor Threshold:	62 ppm (solvent)	Autoignition Temperature (°C):	468 °C
Physical State:	Liquid	Explosion Limits: vol.% in air	LEL: 2.5 UEL: 13
Appearance: (odor, color, etc.)	Clear, slight aromatic odor	VOC Content (g/l): VOC component is Acetone (exempt)	404 g/l (CA Exempt)

Section 10: Stability/Reactivity

Chemical Stability: Stable under normal conditions Unstable

Conditions to Avoid: Extreme heat; Sparks, open flame, hot surfaces and other points of ignition; Exposure to air, moisture, water

Incompatibility (materials to avoid): Acids, strong oxidizers, reducing agents

Hazardous Decomposition Products: carbon monoxide if burned with insufficient air

Hazardous Polymerization (reactivity): Will Occur Will Not Occur

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Section 11: Toxicological Information

Acute and Chronic Toxicity: Data may exist for ingredients previously listed but may or may not apply to this product for amounts contained as a percentage of weight or volume. It is advised that information sources for individual ingredients be consulted for accurate and precise data.

Listed as Carcinogen/Potential Carcinogen: This product is not known to be carcinogenic, however some ingredients may be listed by one or more of the agencies below as shown.

NTP (National Toxicology Program): Styrene, CAS# 100-42-5, 2B: Probable Human Carcinogen

OSHA (Occupational Health & Safety Administration): Styrene, CAS# 100-42-5, 2B: Probable Human Carcinogen

IARC (International Agency for Research on Cancer): Styrene, 100-42-5, Reasonably Anticipated Human Carcinogen

Reproductive Effects: Animal testing of one or more ingredient(s) indicate possible reproductive toxicity, male & female

Developmental Effects: Animal testing of one or more ingredient(s) indicate possible adverse developmental effects

Section 12: Ecological Information

Ecotoxicity (effects on plants and animals): Specific data for ecotoxicity of this product exists. Some ingredients when present in high enough concentrations have been found to be hazardous to some forms of aquatic life/organisms.

Environmental Fate of Material: No specific data exists for short / long term biodegradation or ecomigration of product.

Section 13: Disposal Considerations

Appropriate Waste Disposal Methods: Consult your local, state or provincial and federal regulations before disposing of any chemicals. Dispose of in accordance with all applicable regulations with regard to precedence.

Section 14: Transport Information

U.S. Department of Transportation (US DOT)

- Proper Shipping Name: Coating Solution
- Hazard Class: 3
- UN Number: 1139
- Packing Group: III

TDG (Canadian Ground): See US DOT

IMDG (Water): See US DOT

ICAO (Air): See US DOT

Section 15: Regulatory Information

GLOBAL INVENTORIES

TSCA (USA; Toxic Substance Control Act): All ingredients are either listed in the inventory or exempt from listing

DSL (Canada; Domestic Substance List): All ingredients listed

ECL (Korea; Established Chemicals List): No information currently available

PICCS (Philippines): No information currently available

ENCS (Japan; Established and New Chemicals List): No information currently available

IECS (China): No information currently available

EINECS (European Inventory of Existing Commercial Chemical Products): 265-199-0, 215-535-7, 202-681-1, 203-572-1, 200-662-2, 202-851-5

SARA Title III (Superfund Amendments & Reauthorization Act)

- §313: Reportable Toxic Chemicals: Xylene CAS# 1330-20-7; Styrene CAS# 100-42-5,
- §§311/312: Delayed Health Hazard; Fire Hazard
- §302: Not considered Extremely Hazardous

California Proposition 65 (Known to the State of California to cause cancer, birth defects, or other reproductive harm):
NONE

WHMIS (Canadian Workplace Hazardous Material Information System): Ingredients classified B2,B3,D2,D3

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Section 16: Supplemental Information

NFPA (National Fire Protection Agency) 704:

0 = Minimal Hazard
1 = Slight Hazard
2 = Moderate Hazard

3 = Severe Hazard
4 = Extreme Hazard

Health: 2 Fire: 2 Reactivity: 0

Disclaimer

The information and recommendations contained herein are based upon data believed to be correct; however, no guarantee or warranty of any kind, express or implied, is made with respect to the accuracy of the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects, which may be caused by exposure to our products. Customers and users of this product must comply with all applicable health and safety laws, regulations and orders.