



SECTION 1 PRODUCT IDENTIFICATION

<u>PRODUCT NAME/IDENTIFIER:</u>	GEL COAT PATCH PASTE
<u>PRODUCT USE</u>	<u>NAME OF MANUFACTURER & SUPPLIER</u>
Polyester resin coatings for F.R.P. applications	Spectrum Color 135 E Davis Industrial Dr St. Augustine, FL 32084
<u>EMERGENCY TELEPHONE</u>	<u>UN# (PIN)</u>
253-735-1830 800-424-9300 (CHEMTREC)	3269 (Polyester Resin Kit)

SECTION 2 HAZARD(S) IDENTIFICATION

EFFECTS OF EXCESSIVE OVEREXPOSURE. PRIMARY ROUTES OF ENTRY ARE:**EYE CONTACT:**

Irritation. Symptoms are tearing, redness and discomfort.

SKIN CONTACT:

Irritation. Can cause defatting of skin which may lead to dermatitis.

INHALATION:

Irritation to nose and throat. Extended or repeated exposure to concentrations above the recommended exposure limits may cause brain or nervous system depression, with symptoms such as dizziness, headache or nausea and if continued indefinitely, loss of consciousness, liver and kidney damage. Reports have associated repeated and prolonged occupational over- exposure to solvents with permanent brain and nervous system damage.

INGESTION:

May cause mouth, throat, esophagus and stomach irritation, nausea, vomiting and diarrhea.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

STYRENE	12.45%	CAS# 100-42-5	LD50 oral-rat-4.37 G/KG LD50, dermal-rabbit>5 G/KG LCLO 5000 PPM/8Hr-rat
POLYESTER RESIN	13.55%	PROPRIETARY	
ADVITROL	70%	MIXTURE	
THIXOGEL	4%	68953-58-2	Quaternary Ammonium Compounds, Bis (hydrogenated Tallow Alkyl) dimethyl, Salt With Bentonite

SECTION 4 FIRST-AID MEASURES

SKIN CONTACT

Wash thoroughly with soap and water

EYE CONTACT

Flush immediately with plenty of water for at least 15 minutes and get medical attention

INHALATION

If affected by inhalation of vapors or spray mist, remove to fresh air.

INGESTION

If swallowed, get medical attention immediately.



SECTION 5 FIRE-FIGHTING MEASURES

FLAMMABILITY

Yes, OSHA class IC Flammable Liquid

SPECIAL PROCEDURES

Full Protective equipment including self-contained breathing apparatus should be used

LOWER FLAMMABILITY LIMIT

(% BY VOLUME) 1.10%

AUTO IGNITION TEMPERATURE

490 Degrees C in air

914 Degrees F

EXPLOSION DATA

Sensitivity to mechanical impact: NO

Sensitivity to static discharge: YES

MEANS OF EXTINCTION

Foam, Carbon Dioxide, Dry Chemical water fog

FLASHPOINT AND METHOD

88 Degrees F, closed cup

31 Degrees C

UPPER FLAMMABILITY LIMIT

(% BY VOLUME) 6.1%

HAZARDOUS COMBUSTIONS PRODUCTS

Thermal decomposition or combustion can produce fumes containing organic acids, carbon dioxide and monoxide

SECTION 6 ACCIDENTAL RELEASE MEASURES

LEAK AND SPILL PROCEDURE

Remove all sources of ignition (flames, hot surfaces, and electrical, static or frictional sparks). Avoid breathing vapors. Ventilate area. Contain and remove with inert absorbent and non-sparking tools.

SECTION 7 HANDLING AND STORAGE

HANDLING PROCEDURES AND EQUIPMENT

Do not smoke in areas of storage or use. Avoid contact with skin and eyes. Wear appropriate protective equipment. Styrene vapor is uninhibited and may polymerize, possibly blocking exhaust vents.

STORAGE REQUIREMENTS

Do not store above 100 degrees F. Store large quantities in buildings designed to comply with OSHA 1910.106. Keep away from heat, sparks and flame. Keep containers closed when not in use and upright to prevent leakage.

SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

SPECIFIC ENGINEERING CONTROLS TO BE USED

Use explosion-proof ventilation to prevent vapor accumulation. Empty containers may contain hazardous product residues. Fixed equipment as well as transfer containers and equipment should be grounded to prevent accumulation of static charge.

SKIN CONTACT

Irritation, can cause defatting of skin which may lead to dermatitis

EYE CONTACT

Irritation, symptoms are tearing, redness, and discomfort



SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION (CONT.)

INHALATION

Irritation to nose and throat. Extended or repeated exposure to concentrations above the recommended exposure limits may cause brain or nervous system depression. With symptoms such as dizziness, headache or nausea and if continued indefinitely, loss of consciousness, liver and kidney damage.

INGESTION

May cause mouth, throat, esophagus and stomach irritation, nausea, vomiting and diarrhea.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	LIQUID	Boiling Point:	293 Degrees F
Odor & Appearance:	MODERATE AROMATIC TRANSLUCENT	Freezing Point:	N/A
Odor Threshold (ppm):	N/A	ph:	N/A
Vapor Pressure:	4.500 MMHG @ 68F	Specific Gravity:	1.3320
Vapor Density:	3.6	Solubility In Water:	N/A
Evaporation Rate:	(Butyl Acetate=1)<1	Coefficient of Water/Oil Dist:	N/A

SECTION 10 STABILITY AND REACTIVITY

CHEMICAL STABILITY

Stable

SUSTANCE INCOMPATIBILITIES

Oxidizers, peroxide, strong acids, aluminum Chloride and vinyl polymers

REACTIVITY, UNDER CONDITIONS

Keep vapor away from possible ignition

HAZARDOUS DECOMPOSITION

None

SECTION 11 TOXICOLOGICAL INFORMATION

MEDICAL CONDITIONS THAT MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

Preexisting eye, skin, liver, kidney and respiratory disorders.

METHYL METHACRYLATE

Skin exposure to methyl methacrylate may cause irritation and/or a rash; it is also a potential skin sensitizer. Prolonged or repeated overexposure at near lethal concentrations can cause liver and kidney damage.

SECTION 12 ECOLOGICAL INFORMATION

The VOC quantity listed in Section 9 is a total theoretical loss value. Under typical conditions only half this amount might be lost to the atmosphere. Loss will vary due to temperature, humidity, film thickness, air movement, spray equipment/techniques, catalyzation, gel and cure rates, etc. If precise values are needed, it is suggested that onsite testing be conducted.

SECTION 13 DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

Dispose of in accordance with local, state and federal regulations. Do not incinerate closed containers. Incinerate in approved facility.



SECTION 14 TRANSPORT INFORMATION

SPECIAL SHIPPING INFORMATION

Polyester Resin Kit, Class 3, UN3269, Packaging Group III

SECTION 15 REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65 INFORMATION:

WARNING: This product can expose you to chemicals including styrene, ethylbenzene, nickel, and crystalline silica (quartz), which are known to the State of California to cause cancer and methyl alcohol which is known to the State of California to cause reproductive harm. For more information go to www.P65Warnings.ca.gov

OTHER HEALTH HAZARDS: STYRENE MONOMER

The International Agency for Research on Cancer (IARC) has reclassified styrene as Group 2B "possibly carcinogenic to humans". This new classification is not based on new health data relating to either humans or animals, but on a change in the IARC classification system. The Styrene Information and Research Center does not agree with the reclassification and has published the following statement. "Recently published studies tracing 50,000 workers exposed to high occupational levels of styrene over a period of 45 years showed no association between styrene and cancer, no increase in cancer among styrene workers (as opposed to the average among all workers), and no increase in mortality related to styrene." An increased incidence of lung tumors was observed in mice from a recent inhalation study. The relevance of this finding is uncertain. Data from other long-term animal studies and from epidemiology studies of workers exposed to styrene do not provide a basis to conclude that styrene is carcinogenic. Lung effects have been observed in the mouse following repeated exposure to styrene.

SECTION 16 OTHER INFORMATION

Preparation Date: 2/25/16

Prepared by: Spectrum Color

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