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MATERIAL SAFETY DATA SHEET

NPCA 1-82

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor 'Essentially Similar' to Form OSHA-201)

Section I

Prepared By: **Stits Poly-Fiber Aircraft Coatings** DATE OF PREP **7-21-89**
P.O. Box 3084
STREET ADDRESS **4320 Rubidoux Blvd.** CITY, STATE AND ZIP CODE **Riverside, Calif. 92519**
EMERGENCY TELEPHONE NO **(213) 489-5151** PRODUCT CLASS **3**
INFORMATION TELEPHONE NO **(714) 684-4280** VOC **228 Grams Per Liter**
CAS# **N/A, Mixture** TRADE NAME **Epoxy Primer EP-420**

Section II—HAZARDOUS INGREDIENTS

INGREDIENT	PERCENT	OCCUPATIONAL EXPOSURE LIMITS	VAPOR PRESSURE	
* Methyl Ethyl Ketone (CAS# 78-93-3)	6.0	200 PPM	70.6MM	Hg at 20°C
* Methyl IsoButyl Ketone (CAS# 108-10-1)	6.0	50 PPM	15 MM	Hg at 20°C
Toluene (CAS# 108-88-3)	5.0	100 PPM	22 MM	Hg at 20°C
* Isopropanol (CAS# 67-63-0)	5.0	400 PPM	31.2MM	Hg at 20°C
Ethylene Glycol Propyl Ether (CAS# 2807-30-9)	5.0	Not Established	1.3 MM	Hg at 20°C
* Epichlorohydrin (CAS# 106-89-8)	40.001%	5 PPM		
Chromates (reported as Cr ₂ O ₃) (CAS# 7789-06-2)	7.0	0.1mg/M ³		

Section III—PHYSICAL DATA

BOILING RANGE **175.4 - 275.9°F** VAPOR DENSITY ☒ HEAVIER, ☐ LIGHTER, THAN AIR
EVAPORATION RATE ☐ FASTER, ☒ SLOWER, THAN ETHER PERCENT VOLATILE BY VOLUME **41.5** WEIGHT PER GALLON **10.7**

Section IV—FIRE AND EXPLOSION HAZARD DATA

Flammable Liquid
FLAMMABILITY CLASSIFICATION OSHA **Class IB** FLASH POINT **20°F TCC** LEL **1.0**
DOT
EXTINGUISHING MEDIA
☒ FOAM ☐ ALCOHOL FOAM ☒ CO₂ ☒ DRY CHEMICAL ☒ WATER FOG ☐ OTHER

UNUSUAL FIRE AND EXPLOSION HAZARDS Exposure to heat builds up pressure in closed containers. Cool with water stream. Hydrogen chloride will form under fire conditions.

Section 313 supplier notification: Ingredients marked with an asterisk (*) are toxic chemicals subject to reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 of the CFR 372.

Section V—HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE Acute toxicity: Overexposure can lead to central nervous system depression, headache, dizziness, nausea and loss of consciousness. Skin contact: May cause irritation. Eye contact: May cause irritation. Systemic effects: Respiratory tract irritant. Liver and kidney damage. Absorption through intact skin. Birth defects in some lab animals. Reproductive system damage in some lab animals.

Emergency and First Aid Procedures: Eye contact; Flush with water for 15 minutes. Skin contact; Wash with soap and water. Ingestion; Seek immediate medical treatment. Inhalation; Remove victim to fresh air and give artificial respiration. Have physician call Los Angeles or nearest Poison Control Center.

Section VI—REACTIVITY DATA

STABILITY ☐ UNSTABLE ☒ STABLE CONDITIONS TO AVOID
INCOMPATIBILITY (Materials to avoid) Strong acids, bases, oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS Burning may produce carbon monoxide, carbon dioxide, unidentified organic compounds, toxic metal fume, hydrogen chloride, oxides of carbon, nitrogen or sulfur.
HAZARDOUS POLYMERIZATION ☐ MAY OCCUR ☒ WILL NOT OCCUR

Section VII—SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Remove sources of ignition. Cover with inert absorbent material and remove to disposal container.

WASTE DISPOSAL METHOD Dispose of product in accordance with applicable local, county, state, and federal regulations.

Section VIII—SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION Use NIOSH approved organic vapor respiratory equipment when TLV is exceeded.
VENTILATION Local exhaust: Recommended.
Mechanical exhaust: Recommended
PROTECTIVE GLOVES Impermeable gloves. OTHER PROTECTIVE EQUIPMENT Eye bath, safety shower.
EYE PROTECTION Chemical splash goggles.

Section IX—SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING WARNING: Flammable liquid. Keep away from heat, sparks, and open flames. Keep containers tightly closed. Ground equipment to prevent accumulation of static charge. Harmful if swallowed. Avoid eye contact and skin contact.

OTHER PRECAUTIONS: Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected areas with water.

This product is sold for professional use only, not intended for retail sales.

Disclaimer of expressed and implied warranties: The information in this document is believed to be correct as of the date issued. However, no warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product, or the hazards related to its use. This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

HAZARDOUS DECLARATION

The following must be filled out completely in order for this shipment to be approved and cleared for ocean transportation, please type or print clearly.

VESSEL: NA VOY: NA BKG. NO.: NA
SHIPPER / MFG.: Aircraft Service & Security Co. DATE: _____
CONTACT: Chemtec TEL: 800-424-9300

(24 hour CTC/TEL. Must be filled in as per regulation.)

EMERGENCY RESPONSE GUIDE BOOK PAGE NUMBER: NA
(If you are not able to obtain this page number a material data safety sheet must accompany the hazardous declaration.)

HAZARDOUS CHEMICAL NAME: PAINT
(Note: N.O.S. is not acceptable, a chemical name that makes this material hazardous must be listed below.)

CHEMICAL NAME: Methyl Ethyl Ketone, Methyl Isobutyl Ketone, Toluene, Isopropanol, Epichlorohydrin
(Name of chemical that makes this commodity hazardous.)

IMCO CLASS #: 3 IMCO PAGE #: NA UN #: 1263
FLASH POINT: 20°F WEIGHT: _____ CUBE: _____
PACKING GROUP NO.: II
SPECIFIC NUMBER OF PACKAGES: _____

(If a commodity is in liquid form, the piece count must be in bottles, drums, pails, cans, etc, only if the commodity is solid may carton/boxes be used. Pallets or skids must have "S.T.C." piece count.)

**THIS IS TO CERTIFY THAT THE ABOVE NAMED HAZARDOUS MATERIALS
ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND
LABELED IN ACCORDANCE WITH THE APPLICABLE REGULATIONS
OF THE DEPARTMENT OF TRANSPORTATION.**

SHIPPER: Aircraft Service & Security Co.
Print

SIGNATURE: _____ DATE: _____

09-05605

MATERIAL SAFETY DATA SHEET

FOR COATINGS RESINS AND RELATED MATERIALS

PRODUCT NAME: Epoxy Primer White or Green
PRODUCT CODE: EP-420W or EP420G
UN1263 PAINT, 3, PG II
FLAMMABLE LIQUID

HMIS CODES: H-2 F-3 R-1 PP-I
PRODUCT CLASS: Epoxy

SECTION I - MANUFACTURER IDENTIFICATION

PREPARED BY: Poly-Fiber, Inc.
P.O. Box 3129, Riverside, CA 92519
STREET ADDRESS: 4343 Fort Drive, Riverside, CA 92509

DATE OF PREP:
11/15/2011
NAME OF PREPARER: Greg Albarian

EMERGENCY TELEPHONE NO. - Chemtrec (800) 424-9300, Int'l (703) 527-3887 (International Call Collect)
INFORMATION TELEPHONE NO. - (951) 684-4280 (951) 809-7144 (760) 782-1947

SECTION II - HAZARDOUS INGREDIENTS/ SARA III INFORMATION

REPORTABLE COMPONENTS	OCCUPATIONAL EXPOSURE LIMITS	WT. %	VAPOR PRESSURE	TOXICITY DATA
Methyl Ethyl Ketone* (CAS #78-93-3)	200 PPM	<9	70.6mm Hg@20°C	See Section IX
Methyl Iso Butyl Ketone* (CAS #108-10-1)	50 PPM	5-35	15mm Hg@20°C	See Section IX
Toluene* (CAS # 108-88-3)**	50 PPM	10-40	22mm Hg@20°C	See Section IX
Isopropanol* (CAS # 67-63-0)	400 PPM	1-30	32.8mm Hg@20°C	See Section IX
Methyl Amyl Alcohol* (CAS #108-11-2)	25 PPM	3-33	2.2mm Hg@20°C	See Section IX
Polymer of Epichlorohydrin and Bisphenol-A (CAS # 25036-25-3)	Not established	1-30	22.0mm Hg@20°C	See Section IX
Butyl Alcohol* (CAS #71-36-3)	50 PPM	<5	5.5mm Hg@20°C	See Section IX

*This material is subject to the reporting requirements of section 313 of the Emergency Planning and the Community Right-To-Know Acts of 1986 and of 40 CFR 372.

This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

SECTION III- PHYSICAL DATA

BOILING RANGE: 175.4- 315° F
VAPOR DENSITY: Heavier than air
COATING V.O.C.: 3.52 lb/gal 422 gr/l
APPEARANCE AND ODOR: Aromatic odor

SPECIFIC GRAVITY (H₂O= 1): 1.23
EVAPORATION RATE: Slower than ether
SOLUBILITY IN WATER: Insoluble

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 20° F (-7° C) **METHOD USED:** TCC
FLAMMABLE LIMITS IN AIR BY VOLUME: LOWER: NA UPPER: NA
EXTINGUISHING MEDIA: Foam, CO₂, Dry Chemical, Water Fog
SPECIAL FIREFIGHTING PROCEDURES: Do not use a direct stream of water. Product may float and can be reignited on the surface of the water. Do not enter a confined area without full bunker gear including a positive-pressure NIOSH-approved self-contained breathing apparatus. Decomposition products may form toxic materials.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Never use welding or cutting torch on or near drum (even empty) because residue or product can ignite explosively. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by pilot lights, flames and other ignition sources at locations distant from the material handling point. Flammable material.

SECTION V - HEALTH HAZARD DATA

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Breathing the vapor may irritate the nose and throat. Central nervous system effects including excitation, euphoria, contracted eye pupil, dizziness, blurred vision, fatigue, nausea, headache, loss of consciousness, respiratory arrest and sudden death could occur as a result of long term and/or high concentration exposure to vapors.
SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Contact with the skin or eyes may cause irritation. Flush skin and eyes with water for at least 15 minutes. Prolonged or repeated contact can cause moderate irritation, defatting, and/or dermatitis.
INGESTION HEALTH RISK AND SYMPTOMS OF EXPOSURE: This product may aggravate preexisting eye, skin, heart, central nervous system and respiratory disorders.

HEALTH HAZARDS (ACUTE AND CHRONIC): Overexposure may cause anesthesia, headache, nausea or dizziness. Breathing the vapors may irritate the nose and throat. Detectable amounts of chemicals or substances known to the state of California to cause cancer, birth defects, or other reproductive harm may be found in this product. Use care when handling chemical and petroleum products.

CARCINOGENICITY: NTP CARCINOGEN: N/A IARC MONOGRAPHS: N/A OSHA REGULATED: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE TO THIS PRODUCT: Preexisting eye, skin, heart, central nervous system and respiratory disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID PROCEDURES: Remove victim to fresh air and restore breathing if required. Call a physician. If breathing stops, give artificial respiration. Keep person warm. Never give anything by mouth to an unconscious person. Do not induce vomiting. If

spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lungs.

SECTION VI- STABILITY & REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Heat and fires. Ignition sources

INCOMPATIBILITY (MATERIALS TO AVOID): Strong alkalines or strong oxidizers. This material may dissolve some plastics, rubber compounds or coatings.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Hydrogen chloride and very small amounts of phosgene and chlorine.

HAZARDOUS POLYMERIZATION: N/A

SECTION VII- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Flush with water to a tank or to an opened well-ventilated area.

Absorb or remove to container and dispose of properly in conformity with local government restrictions.

WASTE DISPOSAL METHOD: Incinerate if permitted or bury in a sanitary landfill. Consult a disposal expert. For highway or road spill, contact Chemtrec at (800) 424-9300.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in tightly closed containers in cool, dry, isolated, well ventilated area away from heat or flame, sources of ignition and incompatible materials. Transfer small amounts left over into small containers. Ground lines, containers, and other equipment during product transfer. Do not store in glass containers due to the danger of breaking. Do not pour into containers that held highly flammable materials; static electricity may result. Use good hygiene practices. Wash hands before eating, drinking, etc.

OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin. Avoid prolonged or repeated breathing of vapor. Keep away from heat, sparks, and open flames. Keep containers tightly closed. Replace all bungs tightly before shipping or storing.

SECTION VIII- SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupational exposure limits, use a NIOSH-approved respirator to prevent overexposure. In accordance with 29 CFR 1910.134, use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

VENTILATION: Use explosion proof ventilation as required to control particulate and vapor concentrations. A spray booth is recommended.

PROTECTIVE GLOVES: Use rubber or neoprene gloves. Use gloves that will resist the product.

EYE PROTECTION: Goggles or face shield.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Avoid contact with eyes. Wear eye protection devices. If required, wear chemical resistant gloves and other clothing.

WORK/ HYGIENIC PRACTICES: Wash hands with soap and water before eating. Dispose of contaminated clothing as soon as possible.

SECTION IX – TOXICOLOGICAL INFORMATION

Methyl Ethyl Ketone (CAS# 78-93-3): LD50/rabbit/skin/draize test = 500mg/24H Moderate; LC50/mouse/inhalation = 32mg/m³/4H; Carcinogenicity: Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.

Methyl Isobutyl Ketone (CAS#108-10-1): LD50/rat/oral = 2080mg/kg; Carcinogenicity: Not listed by NTP or IARC.

Toluene (CAS# 108-88-3): ACGIH: A4-Not Classifiable as a Human Carcinogen; IARC: Group 3 carcinogen; No other toxicological information available

Isopropyl Alcohol (CAS#67-63-0): LD50/LC50: Draize test, rabbit, eye: 100 mg Severe; Draize test, rabbit, eye: 10 mg Moderate; Draize test, rabbit, eye: 100 mg/24H Moderate; Draize test, rabbit, skin: 500 mg Mild; Inhalation, mouse: LC50 = 53000 mg/m³; Inhalation, rat: LC50 = 16000 ppm/8H; Inhalation, rat: LC50 = 72600 mg/m³; Oral, mouse: LD50 = 3600 mg/kg; Oral, mouse: LD50 = 3600 mg/kg; Oral, rabbit: LD50 = 6410 mg/kg; Oral, rat: LD50 = 5045 mg/kg; Oral, rat: LD50 = 5000 mg/kg; Skin, rabbit: LD50 = 12800. Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65. Epidemiology: No information found. Teratogenicity: A rat & rabbit developmental toxicity study showed no teratogenic effects at doses that were clearly maternally toxic. In a separate rat study, no evidence of developmental neurotoxicity was associated with gestational exposures to IPA up to 1200 mg/kg/d. Reproductive Effects: See actual entry in RTECS for complete information. Mutagenicity: See actual entry in RTECS for complete information. Neurotoxicity: In rats exposed to isopropanol by inhalation, acute neurotoxicity was noted at 1 and 6 hours at 5000 ppm, but only minimal effects were seen at 1500 ppm and the animals recovered within 5 hours. No toxicity was noted at 500 ppm.

Methyl Amyl Alcohol (CAS#108-11-2): Effects, Acute Exposure: Skin Contact may be slightly irritating. Skin Absorption slight; toxic effects may occur by this route. Eye Contact liquid very irritating in rabbits; transient injury seen, also corrosive injury seen in rabbits; vapour irritating at 50ppm (not irritating at 25ppm) Inhalation may irritate above 50ppm, but low vapour pressure makes this action unlikely Ingestion not known – not a route of industrial exposure. Effects, Chronic Exposure: General prolonged exposure may cause dermatitis by removing skin oils and drying; inhalation at 900ppm for 6 hours, 5days/week produced histological changes in internal organs of rodents Sensitising not a sensitizer in humans or animals Carcinogen/Tumorigen not considered a tumorigen or a carcinogen in humans or animals Reproductive Effect no known effect in humans or animals Mutagen no known effect on humans or animals Synergistic With not known LD50 (oral) 22602970mg/kg (rat), 8101210mg/kg (mouse), LD50 (skin) 2900mg/kg (rabbit) LC50 (inhalation) 2000 & 3800ppm (rat), >4800ppm (mouse)

Poly(Bisphenol A-co-epichlorohydrin), glycidyl end-capped (CAS#25036-25-3) : Acute toxicity :no data available

Skin corrosion/irritation : no data available. **Serious eye damage/eye irritation :** no data available

Respiratory or skin sensitization : May cause allergic skin reaction. **Germ cell mutagenicity :** no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a

Poly-Fiber EP-420 Epoxy Primer

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carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available. **Specific target organ toxicity - single exposure (Globally Harmonized System):**

no data available. **Specific target organ toxicity - repeated exposure (Globally Harmonized System)** no data available

Aspiration hazard : no data available. **Potential health effects: Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed. **Skin:** May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

N-Butanol (CAS#71-36-3) : LD50/rat/oral=2500 mg/kg; LD50/rabbit/oral=3400 mg/kg; LC50/rat/inhalation/4 hrs >8000ppm;
LD50/rabbit/dermal=5300 mg/kg; Skin Irritation/rabbit=slight; Eye Irritation=strong

SECTION X – ECOLOGICAL INFORMATION

Methyl Ethyl Ketone (CAS#78-93-3): Ecotoxicity : Fish/Fathead Minnow/LC50 = 3220mg/l; Environmental : Substance evaporates in water with T1/2=3D (rivers) to 12D (lakes); Physical : Substance photodegrades in air with T1/2=2.3 days.

Methyl Isobutyl Ketone (CAS#108-10-1): Ecotoxicity : Not expected to be toxic to terrestrial life; Environmental : substance evaporates and biodegrades when released to soil, water and air.

Toluene (CAS#108-88-3): Ecotoxicity : No data available; Environmental : From soil, substance evaporates and is microbially biodegraded. In water, substance volatilizes and biodegrades; Physical : Photochemically produced hydroxyl radicals degrade substance.

Isopropanol (CAS#67-63-0): Ecotoxicity: Fish: Fathead Minnow: >1000 ppm; 96h; LC50Daphnia: >1000 ppm; 96h; LC50Fish: Gold orfe: 8970-9280 ppm; 48h; LC50 IPA has a high biochemical oxygen demand and a potential to cause oxygen depletion in aqueous systems, a low potential to affect aquatic organisms, a low potential to affect secondary waste treatment microbial metabolism, a low potential to affect the germination of some plants, a high potential to biodegrade (low persistence) with unacclimated microorganisms from activated sludge. Environmental: No information available. Physical: THOD: 2.40 g oxygen/gCOD: 2.23 g oxygen/gBOD-5: 1.19-1.72 g oxygen/g
Other: No information available.

Methyl Amyl Alcohol (CAS#108-11-2): Bioaccumulation this product is not a bioaccumulator. Biodegradation: this product degrades rapidly in the presence of oxygen; 4384% biodegradation in 5 days. Abiotic Degradation this product reacts with atmospheric hydroxyl radicals; estimated half life in air is 2.3 days. Mobility in soil, water this product is water soluble and will move readily in soil and water. Aquatic Toxicity: LC50 (Fish, 24hr) 360mg/litre (carassius auratus), EC50/LC50 (Crustacea, 24hr) 370mg/litre (artemia salina)

Poly(Bisphenol A-co-epichlorohydrin), glycidyl end-capped (CAS#25036-25-3) : Toxicity: no data available

Persistence and degradability: no data available **Bioaccumulative potential:** no data available

Mobility in soil: no data available **PBT and vPvB assessment:** no data available

Other adverse effects: no data available

N-Butanol (CAS#71-36-3) : Oxygen Demand Data BOD-5: 1,710 mg/g; BOD-20: 1,890 mg/g; COD (Chemical Oxygen Demand):: 2,460 mg/g. Acute Aquatic Effects Data: 24 h LC-50 (goldfish): 1000 - 1400 mg/l; 48 h LC-50 (golden orfe): 1770 mg/l ;24 h LC-50 (daphnid): 1855 mg/l

SECTION XI – DISPOSAL CONSIDERATIONS

Hazardous wastes should be sent to a RCRA approved incinerator or disposed of in a RCRA approved waste facility. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION XII – TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Poly-Fiber Epoxy Primer White or Green

PRIMARY HAZARD CLASS/DIVISION: 3

UN/UA NUMBER: UN1263

PACKING GROUP: II

IMO PROPER SHIPPING NAME: PAINT

IMO UN CLASS: 3

IMO UN NUMBER: 1263

IMO PACKING GROUP: II

IMO LABEL: FLAMMABLE LIQUID

IMO VESSEL STOWAGE: B

Air shipping this product is not advised and if done must be handled by a certified carrier according to IATA rules.

SECTION XIII – REGULATORY INFORMATION

Methyl Ethyl Ketone (CAS#78-93-3): is listed on the TSCA Inventory, SARA Section 302 (RQ), Section 313, Title III and 40 CFR Part 373,

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Clean Air Act

Methyl Isobutyl Ketone (CAS#108-10-1): is listed on the TSCA Inventory, SARA Section 313 Part 1.

Toluene (CAS#108-88-3): is listed on the TSCA Inventory, SARA Section 302 (RQ), Section 313 Title III and 40 CFR Part 373, Clean Air Act as a hazardous air pollutant (HAP), Clean Water Act as a priority pollutant and toxic pollutant. Not Regulated by OSHA.

Isopropanol (CAS#67-63-0): is listed on the TSCA inventory, Section 313 of SARA Title III and 40 CFR Part 373. CERCLA Hazardous Substances and corresponding RQs: None SARA Section 302 Extremely Hazardous Substances: None. SARA Codes: immediate, delayed, fire. Clean Air Act: No. Clean Water Act: No. OSHA: No. Cal Prop 65: No

Methyl Amyl Alcohol (CAS#108-11-2): is listed on TSCA inventory, DSL and EINECS

Poly(Bisphenol A-co-epichlorohydrin), glycidyl end-capped (CAS#25036-25-3) : OSHA Hazards: Skin sensitiser

DSL Status: Not listed.

SARA 302 : None

SARA 313 Components:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Acute Health Hazard

Massachusetts Right To Know Components: No

Pennsylvania Right To Know Components: Yes

New Jersey Right To Know Components: Yes

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

N-Butanol (CAS#71-36-3) : WHMIS (Canada) Status: controlled WHMIS (Canada) Hazard Classification: B/2, D/2/B.

Is listed on the TSCA inventory, SARA 313, SARA 311-312 Hazard Class: Immediate (acute) health hazard, fire hazard Carcinogenicity Classification (components present at 0.1% or more): none

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): This product is listed on the DSL or otherwise complies with CEPA new substance notification requirements. EINECS (European Inventory of Existing Commercial Chemical Substances): This product is listed on EINECS or otherwise complies with EINECS requirements. EINECS Number: 200-751-6 AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): This product is listed on AICS or otherwise complies with NICNAS. MITI (Japanese Handbook of Existing and New Chemical Substances): This product is listed in the Handbook or has been approved in Japan by new substance notification. ECL (Korean Toxic Substances Control Act): This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act. Philippines Inventory (PICCS) : This product is listed on the Philippine Inventory or otherwise complies with PICCS. Inventory of Existing Chemical Substances in China: All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

SECTION XIV - DISCLAIMER

Above information is based on data supplied to us and is believed to be correct. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since the data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. It is the user's obligation to determine the safe use of it.

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MATERIAL SAFETY DATA SHEET

FOR COATINGS RESINS AND RELATED MATERIALS

PRODUCT NAME: Epoxy Primer White or Green
PRODUCT CODE: EP-420W or EP420G
UN1263 PAINT, 3, PG II
FLAMMABLE LIQUID

HMIS CODES: H-2 F-3 R-1 PP-I
PRODUCT CLASS: Epoxy

SECTION I - MANUFACTURER IDENTIFICATION

PREPARED BY: Poly-Fiber, Inc.
P.O. Box 3129, Riverside, CA 92519
STREET ADDRESS: 4343 Fort Drive, Riverside, CA 92509

DATE OF PREP:
11/15/2011
NAME OF PREPARER: Greg Albarian

EMERGENCY TELEPHONE NO. - Chemtrec (800) 424-9300, Int'l (703) 527-3887 (International Call Collect)
INFORMATION TELEPHONE NO. - (951) 684-4280 (951) 809-7144 (760) 782-1947

SECTION II - HAZARDOUS INGREDIENTS/ SARA III INFORMATION

REPORTABLE COMPONENTS	OCCUPATIONAL EXPOSURE LIMITS	WT. %	VAPOR PRESSURE	TOXICITY DATA
Methyl Ethyl Ketone* (CAS #78-93-3)	200 PPM	<9	70.6mm Hg@20°C	See Section IX
Methyl Iso Butyl Ketone* (CAS #108-10-1)	50 PPM	5-35	15mm Hg@20°C	See Section IX
Toluene* (CAS # 108-88-3)**	50 PPM	10-40	22mm Hg@20°C	See Section IX
Isopropanol* (CAS # 67-63-0)	400 PPM	1-30	32.8mm Hg@20°C	See Section IX
Methyl Amyl Alcohol* (CAS #108-11-2)	25 PPM	3-33	2.2mm Hg@20°C	See Section IX
Polymer of Epichlorohydrin and Bisphenol-A (CAS # 25036-25-3)	Not established	1-30	22.0mm Hg@20°C	See Section IX
Butyl Alcohol* (CAS #71-36-3)	50 PPM	<5	5.5mm Hg@20°C	See Section IX

*This material is subject to the reporting requirements of section 313 of the Emergency Planning and the Community Right-To-Know Acts of 1986 and of 40 CFR 372.

This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

SECTION III- PHYSICAL DATA

BOILING RANGE: 175.4- 315° F
VAPOR DENSITY: Heavier than air
COATING V.O.C.: 3.52 lb/gal 422 gr/l
APPEARANCE AND ODOR: Aromatic odor

SPECIFIC GRAVITY (H₂O= 1): 1.23
EVAPORATION RATE: Slower than ether
SOLUBILITY IN WATER: Insoluble

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 20° F (-7° C) **METHOD USED:** TCC
FLAMMABLE LIMITS IN AIR BY VOLUME: LOWER: NA UPPER: NA
EXTINGUISHING MEDIA: Foam, CO₂, Dry Chemical, Water Fog
SPECIAL FIREFIGHTING PROCEDURES: Do not use a direct stream of water. Product may float and can be reignited on the surface of the water. Do not enter a confined area without full bunker gear including a positive-pressure NIOSH-approved self-contained breathing apparatus. Decomposition products may form toxic materials.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Never use welding or cutting torch on or near drum (even empty) because residue or product can ignite explosively. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by pilot lights, flames and other ignition sources at locations distant from the material handling point. Flammable material.

SECTION V - HEALTH HAZARD DATA

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Breathing the vapor may irritate the nose and throat. Central nervous system effects including excitation, euphoria, contracted eye pupil, dizziness, blurred vision, fatigue, nausea, headache, loss of consciousness, respiratory arrest and sudden death could occur as a result of long term and/or high concentration exposure to vapors.
SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Contact with the skin or eyes may cause irritation. Flush skin and eyes with water for at least 15 minutes. Prolonged or repeated contact can cause moderate irritation, defatting, and/or dermatitis.
INGESTION HEALTH RISK AND SYMPTOMS OF EXPOSURE: This product may aggravate preexisting eye, skin, heart, central nervous system and respiratory disorders.

HEALTH HAZARDS (ACUTE AND CHRONIC): Overexposure may cause anesthesia, headache, nausea or dizziness. Breathing the vapors may irritate the nose and throat. Detectable amounts of chemicals or substances known to the state of California to cause cancer, birth defects, or other reproductive harm may be found in this product. Use care when handling chemical and petroleum products.

CARCINOGENICITY: NTP CARCINOGEN: N/A IARC MONOGRAPHS: N/A OSHA REGULATED: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE TO THIS PRODUCT: Preexisting eye, skin, heart, central nervous system and respiratory disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID PROCEDURES: Remove victim to fresh air and restore breathing if required. Call a physician. If breathing stops, give artificial respiration. Keep person warm. Never give anything by mouth to an unconscious person. Do not induce vomiting. If

spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lungs.

SECTION VI- STABILITY & REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Heat and fires. Ignition sources

INCOMPATIBILITY (MATERIALS TO AVOID): Strong alkalines or strong oxidizers. This material may dissolve some plastics, rubber compounds or coatings.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Hydrogen chloride and very small amounts of phosgene and chlorine.

HAZARDOUS POLYMERIZATION: N/A

SECTION VII- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Flush with water to a tank or to an opened well-ventilated area.

Absorb or remove to container and dispose of properly in conformity with local government restrictions.

WASTE DISPOSAL METHOD: Incinerate if permitted or bury in a sanitary landfill. Consult a disposal expert. For highway or road spill, contact Chemtrec at (800) 424-9300.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in tightly closed containers in cool, dry, isolated, well ventilated area away from heat or flame, sources of ignition and incompatible materials. Transfer small amounts left over into small containers. Ground lines, containers, and other equipment during product transfer. Do not store in glass containers due to the danger of breaking. Do not pour into containers that held highly flammable materials; static electricity may result. Use good hygiene practices. Wash hands before eating, drinking, etc.

OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin. Avoid prolonged or repeated breathing of vapor. Keep away from heat, sparks, and open flames. Keep containers tightly closed. Replace all bungs tightly before shipping or storing.

SECTION VIII- SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupational exposure limits, use a NIOSH-approved respirator to prevent overexposure. In accordance with 29 CFR 1910.134, use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

VENTILATION: Use explosion proof ventilation as required to control particulate and vapor concentrations. A spray booth is recommended.

PROTECTIVE GLOVES: Use rubber or neoprene gloves. Use gloves that will resist the product.

EYE PROTECTION: Goggles or face shield.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Avoid contact with eyes. Wear eye protection devices. If required, wear chemical resistant gloves and other clothing.

WORK/ HYGIENIC PRACTICES: Wash hands with soap and water before eating. Dispose of contaminated clothing as soon as possible.

SECTION IX – TOXICOLOGICAL INFORMATION

Methyl Ethyl Ketone (CAS# 78-93-3): LD50/rabbit/skin/draize test = 500mg/24H Moderate; LC50/mouse/inhalation = 32mg/m³/4H; Carcinogenicity: Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.

Methyl Isobutyl Ketone (CAS#108-10-1): LD50/rat/oral = 2080mg/kg; Carcinogenicity: Not listed by NTP or IARC.

Toluene (CAS# 108-88-3): ACGIH: A4-Not Classifiable as a Human Carcinogen; IARC: Group 3 carcinogen; No other toxicological information available

Isopropyl Alcohol (CAS#67-63-0): LD50/LC50: Draize test, rabbit, eye: 100 mg Severe; Draize test, rabbit, eye: 10 mg Moderate; Draize test, rabbit, eye: 100 mg/24H Moderate; Draize test, rabbit, skin: 500 mg Mild; Inhalation, mouse: LC50 = 53000 mg/m³; Inhalation, rat: LC50 = 16000 ppm/8H; Inhalation, rat: LC50 = 72600 mg/m³; Oral, mouse: LD50 = 3600 mg/kg; Oral, mouse: LD50 = 3600 mg/kg; Oral, rabbit: LD50 = 6410 mg/kg; Oral, rat: LD50 = 5045 mg/kg; Oral, rat: LD50 = 5000 mg/kg; Skin, rabbit: LD50 = 12800. Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65. Epidemiology: No information found. Teratogenicity: A rat & rabbit developmental toxicity study showed no teratogenic effects at doses that were clearly maternally toxic. In a separate rat study, no evidence of developmental neurotoxicity was associated with gestational exposures to IPA up to 1200 mg/kg/d. Reproductive Effects: See actual entry in RTECS for complete information. Mutagenicity: See actual entry in RTECS for complete information. Neurotoxicity: In rats exposed to isopropanol by inhalation, acute neurotoxicity was noted at 1 and 6 hours at 5000 ppm, but only minimal effects were seen at 1500 ppm and the animals recovered within 5 hours. No toxicity was noted at 500 ppm.

Methyl Amyl Alcohol (CAS#108-11-2): Effects, Acute Exposure: Skin Contact may be slightly irritating. Skin Absorption slight; toxic effects may occur by this route. Eye Contact liquid very irritating in rabbits; transient injury seen, also corrosive injury seen in rabbits; vapour irritating at 50ppm (not irritating at 25ppm) Inhalation may irritate above 50ppm, but low vapour pressure makes this action unlikely Ingestion not known – not a route of industrial exposure. Effects, Chronic Exposure: General prolonged exposure may cause dermatitis by removing skin oils and drying; inhalation at 900ppm for 6 hours, 5days/week produced histological changes in internal organs of rodents. Sensitising not a sensitizer in humans or animals Carcinogen/Tumorigen not considered a tumorigen or a carcinogen in humans or animals Reproductive Effect no known effect in humans or animals Mutagen no known effect on humans or animals Synergistic With not known LD50 (oral) 22602970mg/kg (rat), 8101210mg/kg (mouse), LD50 (skin) 2900mg/kg (rabbit) LC50 (inhalation) 2000 & 3800ppm (rat), >4800ppm (mouse)

Poly(Bisphenol A-co-epichlorohydrin), glycidyl end-capped (CAS#25036-25-3) : Acute toxicity :no data available

Skin corrosion/irritation : no data available. **Serious eye damage/eye irritation :** no data available

Respiratory or skin sensitization : May cause allergic skin reaction. **Germ cell mutagenicity :** no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a

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carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available. **Specific target organ toxicity - single exposure (Globally Harmonized System):**

no data available. **Specific target organ toxicity - repeated exposure (Globally Harmonized System)** no data available

Aspiration hazard : no data available. **Potential health effects: Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed. **Skin:** May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

N-Butanol (CAS#71-36-3) : LD50/rat/oral=2500 mg/kg; LD50/rabbit/oral=3400 mg/kg; LC50/rat/inhalation/4 hrs >8000ppm;
LD50/rabbit/dermal=5300 mg/kg; Skin Irritation/rabbit=slight; Eye Irritation=strong

SECTION X – ECOLOGICAL INFORMATION

Methyl Ethyl Ketone (CAS#78-93-3): Ecotoxicity : Fish/Fathead Minnow/LC50 = 3220mg/l; Environmental : Substance evaporates in water with T1/2=3D (rivers) to 12D (lakes); Physical : Substance photodegrades in air with T1/2=2.3 days.

Methyl Isobutyl Ketone (CAS#108-10-1): Ecotoxicity : Not expected to be toxic to terrestrial life; Environmental : substance evaporates and biodegrades when released to soil, water and air.

Toluene (CAS#108-88-3): Ecotoxicity : No data available; Environmental : From soil, substance evaporates and is microbially biodegraded. In water, substance volatilizes and biodegrades; Physical : Photochemically produced hydroxyl radicals degrade substance.

Isopropanol (CAS#67-63-0): Ecotoxicity: Fish: Fathead Minnow: >1000 ppm; 96h; LC50Daphnia: >1000 ppm; 96h; LC50Fish: Gold orfe: 8970-9280 ppm; 48h; LC50 IPA has a high biochemical oxygen demand and a potential to cause oxygen depletion in aqueous systems, a low potential to affect aquatic organisms, a low potential to affect secondary waste treatment microbial metabolism, a low potential to affect the germination of some plants, a high potential to biodegrade (low persistence) with unacclimated microorganisms from activated sludge. Environmental: No information available. Physical: THOD: 2.40 g oxygen/gCOD: 2.23 g oxygen/gBOD-5: 1.19-1.72 g oxygen/g
Other: No information available.

Methyl Amyl Alcohol (CAS#108-11-2): Bioaccumulation this product is not a bioaccumulator. Biodegradation: this product degrades rapidly in the presence of oxygen; 4384% biodegradation in 5 days. Abiotic Degradation this product reacts with atmospheric hydroxyl radicals; estimated half life in air is 2.3 days. Mobility in soil, water this product is water soluble and will move readily in soil and water. Aquatic Toxicity: LC50 (Fish, 24hr) 360mg/litre (carassius auratus), EC50/LC50 (Crustacea, 24hr) 370mg/litre (artemia salina)

Poly(Bisphenol A-co-epichlorohydrin), glycidyl end-capped (CAS#25036-25-3) : Toxicity: no data available

Persistence and degradability: no data available **Bioaccumulative potential:** no data available

Mobility in soil: no data available **PBT and vPvB assessment:** no data available

Other adverse effects: no data available

N-Butanol (CAS#71-36-3) : Oxygen Demand Data BOD-5: 1,710 mg/g; BOD-20: 1,890 mg/g; COD (Chemical Oxygen Demand):: 2,460 mg/g. Acute Aquatic Effects Data: 24 h LC-50 (goldfish): 1000 - 1400 mg/l; 48 h LC-50 (golden orfe): 1770 mg/l ;24 h LC-50 (daphnid): 1855 mg/l

SECTION XI – DISPOSAL CONSIDERATIONS

Hazardous wastes should be sent to a RCRA approved incinerator or disposed of in a RCRA approved waste facility. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION XII – TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Poly-Fiber Epoxy Primer White or Green

PRIMARY HAZARD CLASS/DIVISION: 3

UN/UA NUMBER: UN1263

PACKING GROUP: II

IMO PROPER SHIPPING NAME: PAINT

IMO UN CLASS: 3

IMO UN NUMBER: 1263

IMO PACKING GROUP: II

IMO LABEL: FLAMMABLE LIQUID

IMO VESSEL STOWAGE: B

Air shipping this product is not advised and if done must be handled by a certified carrier according to IATA rules.

SECTION XIII – REGULATORY INFORMATION

Methyl Ethyl Ketone (CAS#78-93-3): is listed on the TSCA Inventory, SARA Section 302 (RQ), Section 313, Title III and 40 CFR Part 373,

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Clean Air Act

Methyl Isobutyl Ketone (CAS#108-10-1): is listed on the TSCA Inventory, SARA Section 313 Part 1.

Toluene (CAS#108-88-3): is listed on the TSCA Inventory, SARA Section 302 (RQ), Section 313 Title III and 40 CFR Part 373, Clean Air Act as a hazardous air pollutant (HAP), Clean Water Act as a priority pollutant and toxic pollutant. Not Regulated by OSHA.

Isopropanol (CAS#67-63-0): is listed on the TSCA inventory, Section 313 of SARA Title III and 40 CFR Part 373. CERCLA Hazardous Substances and corresponding RQs: None SARA Section 302 Extremely Hazardous Substances: None. SARA Codes: immediate, delayed, fire. Clean Air Act: No. Clean Water Act: No. OSHA: No. Cal Prop 65: No

Methyl Amyl Alcohol (CAS#108-11-2): is listed on TSCA inventory, DSL and EINECS

Poly(Bisphenol A-co-epichlorohydrin), glycidyl end-capped (CAS#25036-25-3) : OSHA Hazards: Skin sensitiser

DSL Status: Not listed.

SARA 302 : None

SARA 313 Components:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Acute Health Hazard

Massachusetts Right To Know Components: No

Pennsylvania Right To Know Components: Yes

New Jersey Right To Know Components: Yes

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

N-Butanol (CAS#71-36-3) : WHMIS (Canada) Status: controlled WHMIS (Canada) Hazard Classification: B/2, D/2/B.

Is listed on the TSCA inventory, SARA 313, SARA 311-312 Hazard Class: Immediate (acute) health hazard, fire hazard Carcinogenicity Classification (components present at 0.1% or more): none

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): This product is listed on the DSL or otherwise complies with CEPA new substance notification requirements. EINECS (European Inventory of Existing Commercial Chemical Substances): This product is listed on EINECS or otherwise complies with EINECS requirements. EINECS Number: 200-751-6 AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): This product is listed on AICS or otherwise complies with NICNAS. MITI (Japanese Handbook of Existing and New Chemical Substances): This product is listed in the Handbook or has been approved in Japan by new substance notification. ECL (Korean Toxic Substances Control Act): This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act. Philippines Inventory (PICCS) : This product is listed on the Philippine Inventory or otherwise complies with PICCS. Inventory of Existing Chemical Substances in China: All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

SECTION XIV - DISCLAIMER

Above information is based on data supplied to us and is believed to be correct. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since the data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. It is the user's obligation to determine the safe use of it.

09-05605

MATERIAL SAFETY DATA SHEET

FOR COATINGS RESINS AND RELATED MATERIALS

PRODUCT NAME: Epoxy Primer White or Green
PRODUCT CODE: EP-420W or EP420G
UN1263 PAINT, 3, PG II
FLAMMABLE LIQUID

HMIS CODES: H-2 F-3 R-1 PP-I
PRODUCT CLASS: Epoxy

SECTION I - MANUFACTURER IDENTIFICATION

PREPARED BY: Poly-Fiber, Inc.
P.O. Box 3129, Riverside, CA 92519
STREET ADDRESS: 4343 Fort Drive, Riverside, CA 92509

DATE OF PREP:
11/15/2011
NAME OF PREPARER: Greg Albarian

EMERGENCY TELEPHONE NO. - Chemtrec (800) 424-9300, Int'l (703) 527-3887 (International Call Collect)
INFORMATION TELEPHONE NO. - (951) 684-4280 (951) 809-7144 (760) 782-1947

SECTION II - HAZARDOUS INGREDIENTS/ SARA III INFORMATION

REPORTABLE COMPONENTS	OCCUPATIONAL EXPOSURE LIMITS	WT. %	VAPOR PRESSURE	TOXICITY DATA
Methyl Ethyl Ketone* (CAS #78-93-3)	200 PPM	<9	70.6mm Hg@20°C	See Section IX
Methyl Iso Butyl Ketone* (CAS #108-10-1)	50 PPM	5-35	15mm Hg@20°C	See Section IX
Toluene* (CAS # 108-88-3)**	50 PPM	10-40	22mm Hg@20°C	See Section IX
Isopropanol* (CAS # 67-63-0)	400 PPM	1-30	32.8mm Hg@20°C	See Section IX
Methyl Amyl Alcohol* (CAS #108-11-2)	25 PPM	3-33	2.2mm Hg@20°C	See Section IX
Polymer of Epichlorohydrin and Bisphenol-A (CAS # 25036-25-3)	Not established	1-30	22.0mm Hg@20°C	See Section IX
Butyl Alcohol* (CAS #71-36-3)	50 PPM	<5	5.5mm Hg@20°C	See Section IX

*This material is subject to the reporting requirements of section 313 of the Emergency Planning and the Community Right-To-Know Acts of 1986 and of 40 CFR 372.

This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

SECTION III- PHYSICAL DATA

BOILING RANGE: 175.4- 315° F
VAPOR DENSITY: Heavier than air
COATING V.O.C.: 3.52 lb/gal 422 gr/l
APPEARANCE AND ODOR: Aromatic odor

SPECIFIC GRAVITY (H₂O= 1): 1.23
EVAPORATION RATE: Slower than ether
SOLUBILITY IN WATER: Insoluble

SECTION IV- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 20° F (-7° C) **METHOD USED:** TCC
FLAMMABLE LIMITS IN AIR BY VOLUME: LOWER: NA UPPER: NA
EXTINGUISHING MEDIA: Foam, CO₂, Dry Chemical, Water Fog
SPECIAL FIREFIGHTING PROCEDURES: Do not use a direct stream of water. Product may float and can be reignited on the surface of the water. Do not enter a confined area without full bunker gear including a positive-pressure NIOSH-approved self-contained breathing apparatus. Decomposition products may form toxic materials.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Never use welding or cutting torch on or near drum (even empty) because residue or product can ignite explosively. Vapors are heavier than air and may travel along the ground or be moved by ventilation and ignited by pilot lights, flames and other ignition sources at locations distant from the material handling point. Flammable material.

SECTION V - HEALTH HAZARD DATA

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Breathing the vapor may irritate the nose and throat. Central nervous system effects including excitation, euphoria, contracted eye pupil, dizziness, blurred vision, fatigue, nausea, headache, loss of consciousness, respiratory arrest and sudden death could occur as a result of long term and/or high concentration exposure to vapors.
SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE: Contact with the skin or eyes may cause irritation. Flush skin and eyes with water for at least 15 minutes. Prolonged or repeated contact can cause moderate irritation, defatting, and/or dermatitis.
INGESTION HEALTH RISK AND SYMPTOMS OF EXPOSURE: This product may aggravate preexisting eye, skin, heart, central nervous system and respiratory disorders.

HEALTH HAZARDS (ACUTE AND CHRONIC): Overexposure may cause anesthesia, headache, nausea or dizziness. Breathing the vapors may irritate the nose and throat. Detectable amounts of chemicals or substances known to the state of California to cause cancer, birth defects, or other reproductive harm may be found in this product. Use care when handling chemical and petroleum products.

CARCINOGENICITY: NTP CARCINOGEN: N/A IARC MONOGRAPHS: N/A OSHA REGULATED: N/A

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE TO THIS PRODUCT: Preexisting eye, skin, heart, central nervous system and respiratory disorders may be aggravated by exposure to this product.

EMERGENCY AND FIRST AID PROCEDURES: Remove victim to fresh air and restore breathing if required. Call a physician. If breathing stops, give artificial respiration. Keep person warm. Never give anything by mouth to an unconscious person. Do not induce vomiting. If

spontaneous vomiting occurs, keep head below hips to prevent aspiration of liquid into the lungs.

SECTION VI- STABILITY & REACTIVITY DATA

STABILITY: Stable

CONDITIONS TO AVOID: Heat and fires. Ignition sources

INCOMPATIBILITY (MATERIALS TO AVOID): Strong alkalines or strong oxidizers. This material may dissolve some plastics, rubber compounds or coatings.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Hydrogen chloride and very small amounts of phosgene and chlorine.

HAZARDOUS POLYMERIZATION: N/A

SECTION VII- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Flush with water to a tank or to an opened well-ventilated area.

Absorb or remove to container and dispose of properly in conformity with local government restrictions.

WASTE DISPOSAL METHOD: Incinerate if permitted or bury in a sanitary landfill. Consult a disposal expert. For highway or road spill, contact Chemtrec at (800) 424-9300.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in tightly closed containers in cool, dry, isolated, well ventilated area away from heat or flame, sources of ignition and incompatible materials. Transfer small amounts left over into small containers. Ground lines, containers, and other equipment during product transfer. Do not store in glass containers due to the danger of breaking. Do not pour into containers that held highly flammable materials; static electricity may result. Use good hygiene practices. Wash hands before eating, drinking, etc.

OTHER PRECAUTIONS: Avoid prolonged or repeated contact with skin. Avoid prolonged or repeated breathing of vapor. Keep away from heat, sparks, and open flames. Keep containers tightly closed. Replace all bungs tightly before shipping or storing.

SECTION VIII- SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupational exposure limits, use a NIOSH-approved respirator to prevent overexposure. In accordance with 29 CFR 1910.134, use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

VENTILATION: Use explosion proof ventilation as required to control particulate and vapor concentrations. A spray booth is recommended.

PROTECTIVE GLOVES: Use rubber or neoprene gloves. Use gloves that will resist the product.

EYE PROTECTION: Goggles or face shield.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Avoid contact with eyes. Wear eye protection devices. If required, wear chemical resistant gloves and other clothing.

WORK/ HYGIENIC PRACTICES: Wash hands with soap and water before eating. Dispose of contaminated clothing as soon as possible.

SECTION IX – TOXICOLOGICAL INFORMATION

Methyl Ethyl Ketone (CAS# 78-93-3): LD50/rabbit/skin/draize test = 500mg/24H Moderate; LC50/mouse/inhalation = 32mg/m³/4H; Carcinogenicity: Not listed by ACGIH, IARC, NIOSH, NTP or OSHA.

Methyl Isobutyl Ketone (CAS#108-10-1): LD50/rat/oral = 2080mg/kg; Carcinogenicity: Not listed by NTP or IARC.

Toluene (CAS# 108-88-3): ACGIH: A4-Not Classifiable as a Human Carcinogen; IARC: Group 3 carcinogen; No other toxicological information available

Isopropyl Alcohol (CAS#67-63-0): LD50/LC50: Draize test, rabbit, eye: 100 mg Severe; Draize test, rabbit, eye: 10 mg Moderate; Draize test, rabbit, eye: 100 mg/24H Moderate; Draize test, rabbit, skin: 500 mg Mild; Inhalation, mouse: LC50 = 53000 mg/m³; Inhalation, rat: LC50 = 16000 ppm/8H; Inhalation, rat: LC50 = 72600 mg/m³; Oral, mouse: LD50 = 3600 mg/kg; Oral, mouse: LD50 = 3600 mg/kg; Oral, rabbit: LD50 = 6410 mg/kg; Oral, rat: LD50 = 5045 mg/kg; Oral, rat: LD50 = 5000 mg/kg; Skin, rabbit: LD50 = 12800. Carcinogenicity: Not listed by ACGIH, IARC, NTP, or CA Prop 65. Epidemiology: No information found. Teratogenicity: A rat & rabbit developmental toxicity study showed no teratogenic effects at doses that were clearly maternally toxic. In a separate rat study, no evidence of developmental neurotoxicity was associated with gestational exposures to IPA up to 1200 mg/kg/d. Reproductive Effects: See actual entry in RTECS for complete information. Mutagenicity: See actual entry in RTECS for complete information. Neurotoxicity: In rats exposed to isopropanol by inhalation, acute neurotoxicity was noted at 1 and 6 hours at 5000 ppm, but only minimal effects were seen at 1500 ppm and the animals recovered within 5 hours. No toxicity was noted at 500 ppm.

Methyl Amyl Alcohol (CAS#108-11-2): Effects, Acute Exposure: Skin Contact may be slightly irritating. Skin Absorption slight; toxic effects may occur by this route. Eye Contact liquid very irritating in rabbits; transient injury seen, also corrosive injury seen in rabbits; vapour irritating at 50ppm (not irritating at 25ppm) Inhalation may irritate above 50ppm, but low vapour pressure makes this action unlikely Ingestion not known – not a route of industrial exposure. Effects, Chronic Exposure: General prolonged exposure may cause dermatitis by removing skin oils and drying; inhalation at 900ppm for 6 hours, 5days/week produced histological changes in internal organs of rodents. Sensitising not a sensitiser in humans or animals Carcinogen/Tumorigen not considered a tumorigen or a carcinogen in humans or animals Reproductive Effect no known effect in humans or animals Mutagen no known effect on humans or animals Synergistic With not known LD50 (oral) 22602970mg/kg (rat), 8101210mg/kg (mouse), LD50 (skin) 2900mg/kg (rabbit) LC50 (inhalation) 2000 & 3800ppm (rat), >4800ppm (mouse)

Poly(Bisphenol A-co-epichlorohydrin), glycidyl end-capped (CAS#25036-25-3) : Acute toxicity :no data available

Skin corrosion/irritation : no data available. **Serious eye damage/eye irritation :** no data available

Respiratory or skin sensitization : May cause allergic skin reaction. **Germ cell mutagenicity :** no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a

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carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available. **Specific target organ toxicity - single exposure (Globally Harmonized System):**

no data available. **Specific target organ toxicity - repeated exposure (Globally Harmonized System)** no data available

Aspiration hazard : no data available. **Potential health effects:** **Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion: May be harmful if swallowed. **Skin:** May be harmful if absorbed through skin. May cause skin irritation.

Eyes May cause eye irritation.

N-Butanol (CAS#71-36-3) : LD50/rat/oral=2500 mg/kg; LD50/rabbit/oral=3400 mg/kg; LC50/rat/inhalation/4 hrs >8000ppm; LD50/rabbit/dermal=5300 mg/kg; Skin Irritation/rabbit=slight; Eye Irritation=strong

SECTION X – ECOLOGICAL INFORMATION

Methyl Ethyl Ketone (CAS#78-93-3): Ecotoxicity : Fish/Fathead Minnow/LC50 = 3220mg/l; Environmental : Substance evaporates in water with T1/2=3D (rivers) to 12D (lakes); Physical : Substance photodegrades in air with T1/2=2.3 days.

Methyl Isobutyl Ketone (CAS#108-10-1): Ecotoxicity : Not expected to be toxic to terrestrial life; Environmental : substance evaporates and biodegrades when released to soil, water and air.

Toluene (CAS#108-88-3): Ecotoxicity : No data available; Environmental : From soil, substance evaporates and is microbially biodegraded. In water, substance volatilizes and biodegrades; Physical : Photochemically produced hydroxyl radicals degrade substance.

Isopropanol (CAS#67-63-0): Ecotoxicity: Fish: Fathead Minnow: >1000 ppm; 96h; LC50Daphnia: >1000 ppm; 96h; LC50Fish: Gold orfe: 8970-9280 ppm; 48h; LC50 IPA has a high biochemical oxygen demand and a potential to cause oxygen depletion in aqueous systems, a low potential to affect aquatic organisms, a low potential to affect secondary waste treatment microbial metabolism, a low potential to affect the germination of some plants, a high potential to biodegrade (low persistence) with unacclimated microorganisms from activated sludge. Environmental: No information available. Physical: THOD: 2.40 g oxygen/gCOD: 2.23 g oxygen/gBOD-5: 1.19-1.72 g oxygen/g
Other: No information available.

Methyl Amyl Alcohol (CAS#108-11-2): Bioaccumulation this product is not a bioaccumulator. Biodegradation: this product degrades rapidly in the presence of oxygen; 4384% biodegradation in 5 days. Abiotic Degradation this product reacts with atmospheric hydroxyl radicals; estimated half life in air is 2.3 days. Mobility in soil, water this product is water soluble and will move readily in soil and water. Aquatic Toxicity: LC50 (Fish, 24hr) 360mg/litre (carassius auratus), EC50/LC50 (Crustacea, 24hr) 370mg/litre (artemia salina)

Poly(Bisphenol A-co-epichlorohydrin), glycidyl end-capped (CAS#25036-25-3) : Toxicity: no data available

Persistence and degradability: no data available **Bioaccumulative potential:** no data available

Mobility in soil: no data available **PBT and vPvB assessment:** no data available

Other adverse effects: no data available

N-Butanol (CAS#71-36-3) : Oxygen Demand Data BOD-5: 1,710 mg/g; BOD-20: 1,890 mg/g; COD (Chemical Oxygen Demand):: 2,460 mg/g. Acute Aquatic Effects Data: 24 h LC-50 (goldfish): 1000 - 1400 mg/l; 48 h LC-50 (golden orfe): 1770 mg/l ;24 h LC-50 (daphnid): 1855 mg/l

SECTION XI – DISPOSAL CONSIDERATIONS

Hazardous wastes should be sent to a RCRA approved incinerator or disposed of in a RCRA approved waste facility. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION XII – TRANSPORT INFORMATION

DOT PROPER SHIPPING NAME: Poly-Fiber Epoxy Primer White or Green

PRIMARY HAZARD CLASS/DIVISION: 3

UN/UA NUMBER: UN1263

PACKING GROUP: II

IMO PROPER SHIPPING NAME: PAINT

IMO UN CLASS: 3

IMO UN NUMBER: 1263

IMO PACKING GROUP: II

IMO LABEL: FLAMMABLE LIQUID

IMO VESSEL STOWAGE: B

Air shipping this product is not advised and if done must be handled by a certified carrier according to IATA rules.

SECTION XIII – REGULATORY INFORMATION

Methyl Ethyl Ketone (CAS#78-93-3): is listed on the TSCA Inventory, SARA Section 302 (RQ), Section 313, Title III and 40 CFR Part 373,

Poly-Fiber EP-420 Epoxy Primer

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Clean Air Act

Methyl Isobutyl Ketone (CAS#108-10-1): is listed on the TSCA Inventory, SARA Section 313 Part 1.

Toluene (CAS#108-88-3): is listed on the TSCA Inventory, SARA Section 302 (RQ), Section 313 Title III and 40 CFR Part 373, Clean Air Act as a hazardous air pollutant (HAP), Clean Water Act as a priority pollutant and toxic pollutant. Not Regulated by OSHA.

Isopropanol (CAS#67-63-0): is listed on the TSCA inventory, Section 313 of SARA Title III and 40 CFR Part 373. CERCLA Hazardous Substances and corresponding RQs: None SARA Section 302 Extremely Hazardous Substances: None. SARA Codes: immediate, delayed, fire. Clean Air Act: No. Clean Water Act: No. OSHA: No. Cal Prop 65: No

Methyl Amyl Alcohol (CAS#108-11-2): is listed on TSCA inventory, DSL and EINECS

Poly(Bisphenol A-co-epichlorohydrin), glycidyl end-capped (CAS#25036-25-3) : OSHA Hazards: Skin sensitiser

DSL Status: Not listed.

SARA 302 : None

SARA 313 Components:

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Acute Health Hazard

Massachusetts Right To Know Components: No

Pennsylvania Right To Know Components: Yes

New Jersey Right To Know Components: Yes

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

N-Butanol (CAS#71-36-3) : WHMIS (Canada) Status: controlled WHMIS (Canada) Hazard Classification: B/2, D/2/B.

Is listed on the TSCA inventory, SARA 313, SARA 311-312 Hazard Class: Immediate (acute) health hazard, fire hazard Carcinogenicity Classification (components present at 0.1% or more): none

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): This product is listed on the DSL or otherwise complies with CEPA new substance notification requirements. EINECS (European Inventory of Existing Commercial Chemical Substances): This product is listed on EINECS or otherwise complies with EINECS requirements. EINECS Number: 200-751-6 AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): This product is listed on AICS or otherwise complies with NICNAS. MITI (Japanese Handbook of Existing and New Chemical Substances): This product is listed in the Handbook or has been approved in Japan by new substance notification. ECL (Korean Toxic Substances Control Act): This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act. Philippines Inventory (PICCS) : This product is listed on the Philippine Inventory or otherwise complies with PICCS. Inventory of Existing Chemical Substances in China: All components of this product are listed on the Inventory of Existing Chemical Substances in China (IECSC).

SECTION XIV - DISCLAIMER

Above information is based on data supplied to us and is believed to be correct. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since the data made available subsequent to the date hereof may suggest modifications of the information, we do not assume responsibility for the results of its use. This information is furnished upon the condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose. It is the user's obligation to determine the safe use of it.