

PHOTOCAP™ EVA Encapsulants

Material Safety Data Sheet

Revision Date: 13-DEC-06
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PRODUCT NAMES: 15420, 15420P, FC295P, SC918P, 15295, 15295/S, 15295P, 15295P/S, A9918, A9918/S, A9918P, A9918P/S, 33554, 33554/S, 33554/P, 33554P/S, 0507/P

Section I

MANUFACTURER'S NAME & ADDRESS:

STR
10 Water Street
Enfield, CT 06082-4899
USA

EMERGENCY NUMBERS

Phones: 860-749-8371
Fax: 860-749-8234
CHEM-TREC 1-800-424-9300

Section II – Hazardous Ingredients / Identity Information

MATERIAL IDENTIFICATION

CHEMICAL NAME:	Ethylene/Vinyl Acetate Copolymer
CHEMICAL FAMILY:	Functionalized Polyolefins
FORMULA:	Copolymer resin (mixture)
MOLECULAR WEIGHT:	Polymer
SYNONYMS:	EVA, PHOTOCAP™
CAS#:	N/A
CAS NAME:	N/A

<u>HAZARDOUS COMPONENTS</u>	<u>(%)</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Vinyl Acetate (CAS# 108-05-4)	<0.3	10ppm	10ppm
Polyvinyl Alcohol (CAS# 9002-89-5)	<1.0	N/A	N/A
00-t-Butyl 0-(2-Ethylhexyl) Monoperoxycarbonate (CAS# 34443-12-4)	0-5.0	N/A	N/A
2,5-dimethyl-2,5-(t-butylperoxy)hexane (CAS #78-63-7)	0-5.0	N/A	N/A
Hydroxy-n-alkoxybenzophone (CAS# 001843-05-06)	<1.0	N/A	N/A
Tris(mono-nonylphenyl) phosphite (CAS# 26523-78-4)	<1.0	N/A	N/A
Fibrous Glass (CAS# 65997-17-3)	0-5.0	N/A	N/A
Methoxysilane (CAS# 2530-85-0)	<0.5	200ppm	200ppm

SECTION III – Physical & Chemical characteristics

BOILING POINT:	not distillable	SPECIFIC GRAVITY:	0.92 – 0.97
VAPOR PRESSURE:	not applicable	(H ₂ O = 1)	
(mm Hg)		MELTING POINT:	not applicable
VAPOR DENSITY:	not applicable	EVAPORATION RATE:	not applicable
(Air = 1)		(BUTYL ACETATE = 1)	
SOLUBILITY IN WATER:	insoluble	APPEARANCE & ODOR:	Clear film or sheet with mild ester odor.

SECTION IV – Fire and Explosion Hazard Data

FLASH POINT: N/A
(method used)

LOWER EXPLOSION LIMIT: N/A
UPPER EXPLOSION LIMIT: N/A

FLAMMABLE LIMITS: Unknown

EXTINGUISHING MEDIA: Water, foam, ABC dry chemicals

SPECIAL FIRE FIGHTING PROCEDURES: Protect against inhalation of combustion products. Self Contained Breathing Apparatus (SCBA) and protective clothing should be worn in fighting fires involving chemicals.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Acid, heat or various contaminants particularly oxidizing, reducing agents and metal salts can cause decomposition.

SECTION V – Reactivity Data

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: Open flames, ignition sources

INCOMPATIBILITY: Avoid strong acids, strong oxidizing agents and alkalis.

HAZARDOUS DECOMPOSITION OF PRODUCTS: Fumes evolved include acetic acid, and aldehydes including acrolein, carbon monoxide and carbon dioxide, phosphoric acid, phenol, methane, ethane, ethylene, acetone and t-butyl alcohol and oxides of phosphorous.

SECTION VI – Health Hazard Data

INGESTION: LD50 3200mg/kg (rats)

SKIN: LD50 2000mg/kg

INHALATION: N/A

CARCINOGENICITY: Not applicable

HEALTH HAZARDS: No adverse health effects are expected from processing when potential exposures are minimized (Acute & Chronic) by good industrial hygiene practices and adequate ventilation.

SIGNS & SYMPTOMS OF EXPOSURE: Not determined, though none are expected

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not determined, though none are expected

EMERGENCY & FIRST AID: If molten polymer contacts bare skin, cool rapidly and secure medical treatment of the thermal burn

SECTION VII – Precautions for Safe Handling and Use

SPILL, LEAK OR RELEASE: Sweep up to avoid slipping hazard, material is tacky

WASTE DISPOSAL METHOD: Landfill or incinerate in compliance with Federal, State and Local regulations

STORAGE CONDITIONS: Store in a cool dry place. Keep containers closed to prevent contamination.

SECTION VIII – Control Measures

RESPIRATORY EQUIPMENT:	Not normally required
VENTILATION:	Local ventilation must be used over processing equipment to remove dust/fumes away from workers
PROTECTIVE GLOVES:	Gloves and long sleeve shirts are recommended particularly when handling hot polymer
EYE PROTECTION:	Eye protection is recommended as good industrial hygiene practice

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