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**Section 1 - PRODUCT AND COMPANY IDENTIFICATION**

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**Material Name**

FAST Dual Cartridge Adhesive Part B

**Synonyms**

Urethane System Resin Component

**Chemical Family**

Resin

**Product Use**

Membrane and Insulation Adhesive

**Restrictions on Use**

For industrial use only.

**Manufacturer Information**

Carlisle SynTec

1285 Ritner Highway

Carlisle, PA 17013

USA

Phone: +1-800-479-6832

Emergency Phone #: +1-800-424-9300 (CHEMTREC)

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**Section 2 - HAZARDS IDENTIFICATION**

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**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200****Classification of the product**

No need for classification according to GHS criteria for this product.

**Label elements**

The product does not require a hazard warning label in accordance with GHS criteria.

**Hazards not otherwise classified**

No specific dangers known, if the regulations/notes for storage and handling are considered.

**According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200****Emergency overview**

CAUTION:

MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

**Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS**

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**According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200**

This product does not contain any components classified as hazardous under the referenced regulation.

According to Regulation 1994 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

CAS	Component Name	Percent
Trade Secret	Polyol	< 70.0
13674-84-5	tris(2-chloro-1-methylethyl)phosphate	< 30.0
Trade Secret	Catalyst	< 2.0
Trade Secret	Surfactant	< 1.0

The product contains:

CAS Number	Content (W/W)	Chemical name
13674-84-5	>= 20.0 - < 30.0 %	tris(2-chloro-1-methylethyl)phosphate

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**Section 4 - FIRST AID MEASURES**

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**General advice:**

Remove contaminated clothing.

**Inhalation**

Keep patient calm, remove to fresh air.

**Skin**

Wash thoroughly with soap and water.

**Eyes**

Rinse cautiously with water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

**Ingestion**

Rinse mouth and then drink plenty of water. Do not induce vomiting..

**Most Important Symptoms/Effects**

Information on: tris(2-chloro-1-methylethyl)phosphate

Symptoms: Overexposure may cause:, convulsions, depression, hypoxemia, tremors

**Indication of any immediate medical attention and special treatment needed**

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Note to physician

Treatment: Symptomatic treatment (decontamination, vital functions).

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## Section 5 - FIRE FIGHTING MEASURES

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**Extinguishing Media****Suitable Extinguishing Media**

Water spray, dry powder, carbon dioxide, foam

**Special Hazards Arising from the Chemical**

Hazards during fire-fighting:

No particular hazards known.

**Hazardous Combustion Products**

Oxides of carbon, oxides of nitrogen

**Advice for firefighters**

Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

**Further information:**

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## Section 6 - ACCIDENTAL RELEASE MEASURES

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**Personal Precautions, Protective Equipment and Emergency Procedures**

Wear personal protective clothing and equipment, see Section 8.

**Methods and Materials for Containment and Cleaning Up**

Spills should be contained, solidified, and placed in suitable containers for disposal.

**Environmental Precautions**

Do not empty into drains. Do not discharge into the subsoil/soil.

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## Section 7 - HANDLING AND STORAGE

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**Precautions for Safe Handling**

Ensure thorough ventilation of stores and work areas. Protect against moisture.

**Protection against fire and explosion:**

No explosion proofing necessary.

**Conditions for Safe Storage, Including any Incompatibilities**

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Segregate from foods and animal feeds. Segregate from acids. Segregate from oxidants. Suitable materials for containers: Carbon steel (Iron), High density polyethylene (HDPE), Low density polyethylene (LDPE), Stainless steel 1.4301 (V2)

Further information on storage conditions: No special precautions necessary. Avoid extreme heat.

Store protected against freezing

Storage stability:

Storage temperature: 60 - 80 °F. Protect against moisture.

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## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Advice on system design:**

Provide local exhaust ventilation to control vapors/mists.

**Eye/face protection:**

Wear face shield or tightly fitting safety goggles (chemical goggles) if splashing hazard exists.

**Skin Protection:**

Wear work clothes with long sleeves. Wear protective shoes.

**Respiratory Protection:**

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator as needed.

**Hand protection:**

Chemical resistant protective gloves.

**Body protection:**

Standard work clothes and shoes.

**General safety and hygiene measures:**

Avoid contact with skin. Handle in accordance with good industrial hygiene and safety practice. Wear protective clothing as necessary to prevent contact. Avoid inhalation of vapours/mists. Wash soiled clothing immediately.

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## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	light yellow liquid	<b>Physical State</b>	liquid
<b>Odor</b>	musty	<b>Color</b>	Clear to light yellow
<b>Odor Threshold</b>	Not available	<b>pH</b>	>= 7
<b>Freezing point</b>	Not available	<b>Evaporation Rate</b>	3.8
<b>Boiling Point</b>	148.8 °C (> 300°F)	<b>Flammability (solid, gas)</b>	Not flammable
<b>Autoignition</b>	>250 °C (482°F)	<b>Flash Point</b>	Approx. >93°C (200°F)
<b>Density ( 20 °C)</b>	Approx. 1.1 g/cm <sup>3</sup>	<b>Decomposition</b>	Not available
<b>Self Igniting</b>	Not self igniting	<b>Vapor Pressure( 25 °C)</b>	< 0.1 hPa

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<b>Vapor Density (air=1)</b>	N/A	<b>Specific Gravity (water=1)</b>	Not available
<b>Water Solubility</b>	Miscible	<b>Partition coefficient: n-octanol/water</b>	Not available

**Other Information**

No additional information available.

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**Section 10 - STABILITY AND REACTIVITY**

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**Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: No corrosive effect on metal.

Oxidizing properties: Not fire-propagating

**Chemical Stability**

Stable under normal conditions of use.

**Possibility of Hazardous Reactions**

No hazardous reactions if stored and handled as prescribed/indicated.

**Conditions to Avoid**

Temperature: &lt; 0 degrees Celsius

**Incompatible Materials**

Acids, isocyanates, strong oxidizing agents

**Hazardous decomposition products**

Decomposition products:

Hazardous decomposition products: carbon monoxide, carbon dioxide, nitrogen oxide, hydrogen cyanide

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

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**Section 11 - TOXICOLOGICAL INFORMATION**

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**Primary Routes of Exposure**

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact.

Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

**Acute and Chronic Toxicity****Acute toxicity**

Assessment of acute toxicity: No known acute effects.

**Assessment other acute effects**

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

**Origin of data: expert judgement**

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**Irritation / corrosion**

Assessment of irritating effects: No irritation is expected under intended use and appropriate handling.

**Sensitization**

Assessment of sensitization: The chemical structure does not suggest a sensitizing effect.

**Aspiration Hazard**

No aspiration hazard expected.

**Chronic Toxicity/Effects****Repeated dose toxicity**

Assessment of repeated dose toxicity: Repeated oral uptake of the substance did not cause substance-related effects. Repeated inhalative uptake of the substance did not cause substance-related effects. Repeated dermal uptake of the substance did not cause substance-related effects.

**Genetic toxicity**

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect.

**Carcinogenicity**

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect.

**Reproductive toxicity**

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect.

**Teratogenicity**

Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect.

**Other Information**

The product has not been tested. The statement has been derived from the properties of the individual components.

**Symptoms of Exposure****Medical conditions aggravated by overexposure**

Data available do not indicate that there are medical conditions that are generally recognized as being aggravated by exposure to this substance/product.

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**Section 12 - ECOLOGICAL INFORMATION**

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**Ecotoxicity****Aquatic toxicity**

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the properties of the individual components.

**Component Analysis - Aquatic Toxicity**

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**Persistence and Degradability**Assessment biodegradation and elimination (H<sub>2</sub>O)

Poorly biodegradable.

Elimination information

Poorly biodegradable.

**Bioaccumulative Potential**

Does not significantly accumulate in organisms..

**Mobility in soil**

Assessment transport between environmental compartments

Adsorption to solid soil phase is not expected.

**Additional information**

Adsorbable organically-bound halogen (AOX):

This product contains no organically-bound halogen.

Other ecotoxicological advice:

The product has not been tested. Do not discharge product into the environment without control.

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**Section 13 - DISPOSAL CONSIDERATIONS**

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**Waste disposal of substance:**

Incinerate in a licensed facility. Dispose of in a licensed facility. Do not discharge substance/product into sewer system.

**Container disposal:**

Steel drums must be emptied and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer or an approved landfill. Do not attempt to refill or clean containers since residue is difficult to remove. Under no circumstances should empty drums be burned or cut open with gas or electric torch as toxic decomposition products may be liberated. Do not reuse empty containers.

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**Section 14 - TRANSPORT INFORMATION**

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**Land transport US DOT Information:**

Not classified as a dangerous good under transport regulations

**Air transport IATA/CAO Information:**

Not classified as a dangerous good under transport regulations

**Sea transport IMDG Information:**

Not classified as a dangerous good under transport regulations

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**Section 15 - REGULATORY INFORMATION**

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**Federal Regulations**



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Registration status:

Chemical TSCA, US released / listed

**EPCRA 311/312 (Hazard categories):** Not hazardous;

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### Section 16 - OTHER INFORMATION

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#### HMIS Rating

Health: 1 Fire: 1 Physical Hazard: 1

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

#### NFPA Ratings

Health: 1 Fire: 1 Reactivity: 1

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

#### Summary of Changes

Revision Date: June 1, 2018

Revision Note: General Update

#### Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

#### Other Information

##### Disclaimer:

The information contained herein is based upon data and information available to us, and reflects our best professional judgment. This product may be formulated in part with components purchased from other companies. No warranty of merchantability, fitness for any use, or any other warranty is expressed or implied regarding the accuracy of such data or information. The results to be obtained from the use





## Safety Data Sheet

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