

## Safety Data Sheet

**Material Name: FAST Catalyst**

**Product #: 303436**

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### Section 1 - PRODUCT AND COMPANY IDENTIFICATION

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**Material Name:** FAST Catalyst

**Synonym:** Polyol/catalyst blend

**Product Use:** Two-part adhesive for roofing systems

**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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**Classification in accordance with paragraph (d) of 29 CFR 1910.1200.**

Skin Corrosive/Irritation - Category 2

Eye Damage/Irritation - Category 1

**GHS Label Elements**

**Symbol(s)**



**Signal Word**

Danger

**Hazard Statement:**

H318 Causes serious eye damage.

H315 Causes skin irritation.

**Precautionary Statements (Prevention):**

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash with plenty of water and soap thoroughly after handling.

**Precautionary Statements (Response):**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

P303 + P362 IF ON SKIN (or hair): Wash with plenty of soap and water.

P362 + P364 Take off contaminated clothing and wash before reuse.

## Safety Data Sheet

**Material Name: FAST Catalyst**

**Product #: 303436**

**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**

**WARNING:**

CAUSES IRREVERSIBLE EYE DAMAGE.

CAUSES SKIN IRRITATION.

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### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

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

CAS	Component Name	Percent
280-57-9	triethylenediamine	>= 15.0 - < 20.0 %
25265-71-8	dipropylene glycol	>= 25.0 - < 50.0 %

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

CAS	Component Name	Percent
280-57-9	triethylenediamine	>= 15.0 - < 20.0 %
25265-71-8	dipropylene glycol	>= 25.0 - < 50.0 %
Trade Secret	Polyol	>= 25.0 - < 50.0 %

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### Section 4 - FIRST AID MEASURES

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**General advice:**

Remove contaminated clothing.

**If inhaled:**

Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

**If in eyes:**

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

**If on skin:**

Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

## Safety Data Sheet

**Material Name: FAST Catalyst**

**Product #: 303436**

**If swallowed:**

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting.

**Most important symptoms and effects, both acute and delayed**

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

Hazards: No hazards anticipated.

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

**Note to physician**

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

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### Section 5 - FIRE FIGHTING MEASURES

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**Extinguishing Media**

Dry powder, foam, carbon dioxide, water spray.

**Special hazards arising from the substance or mixture**

Hazards during fire-fighting: No particular hazards known.

**Fire Fighting Measures**

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

**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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**Further accidental release measures:**

High risk of slipping due to leakage/spillage of product.

**Personal precautions, protective equipment and emergency procedures**

Wear suitable personal protective clothing

**Environmental precautions**

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

**Methods and material for containment and cleaning up**

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

## Safety Data Sheet

Material Name: FAST Catalyst

Product #: 303436

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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**

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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#### **Component Exposure Limits**

##### **Advice on system design:**

Provide local exhaust ventilation to control vapors/mists.

#### **Personal protective equipment**

##### **Respiratory protection:**

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

##### **Hand protection:**

Chemical resistant protective gloves.

##### **Eye protection:**

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

##### **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.

## Safety Data Sheet

Material Name: FAST Catalyst

Product #: 303436

### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	liquid	<b>Physical State</b>	liquid
<b>Odor</b>	ammonia-like	<b>Color</b>	straw yellow
<b>Boiling Point</b>	> 140 °C(284 °F)	<b>Flammability Limit</b>	Not flammable
<b>Freezing Point</b>	Not applicable	<b>Vapor Pressure(25°C)</b>	< 0.1 hPa
<b>Autoignition</b>	>250 °C (482 °F)	<b>Flash Point</b>	200°C (392 °F)
<b>Solubility in water</b>	Slightly soluble	<b>Viscosity, Dynamic (25°C)</b>	400 - 500 mPa.s
<b>Vapor Density</b>	Not applicable	<b>pH</b>	>= 7
<b>Density (25°C)</b>	8.40 lb/USg	<b>Evaporation rate:</b>	Value can be approximated from Henry's Law Constant or vapor pressure.
<b>Thermal decomposition</b>	No decomposition if stored and handled as prescribed/indicated.	<b>Relative Density</b>	Not applicable

**Other Information:** If necessary, information on other physical and chemical parameters is indicated in this section

### Section 10 - STABILITY AND REACTIVITY

#### 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

The product is stable if stored and handled as prescribed/indicated.

#### Possibility of Hazardous Reactions

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

#### Conditions to Avoid

Temperature: < 0 degrees Celsius

## Safety Data Sheet

**Material Name: FAST Catalyst**

**Product #: 303436**

### **Incompatible Materials**

Acids, oxidizing agents, isocyanates

### **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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### **Information on Likely Routes of Exposure**

#### **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 Toxicity/Effects**

##### **Acute toxicity**

Assessment of acute toxicity: No known acute effects.

##### **Oral**

No applicable information available.

##### **Inhalation**

No applicable information available.

##### **Dermal**

No applicable information available.

#### **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

#### **Irritation / corrosion**

Assessment of irritating effects: Skin contact causes irritation. May cause severe damage to the eyes.

#### **Sensitization**

Assessment of sensitization: The chemical structure does not suggest a sensitizing effect. No applicable information available.

## Safety Data Sheet

**Material Name: FAST Catalyst**

**Product #: 303436**

**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.

**Genetic toxicity**

Assessment of mutagenicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

**Carcinogenicity**

Assessment of carcinogenicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

**Reproductive toxicity**

Assessment of reproduction toxicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

**Teratogenicity**

Assessment of teratogenicity: The chemical structure does not suggest a specific alert for such an effect. No applicable information available.

**Other Information**

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

**Symptoms of Exposure**

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Eye irritation, skin irritation, allergic symptoms

**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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**Toxicity**

**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 substances/products of a similar structure or composition.

**Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O) Poorly biodegradable.

## Safety Data Sheet

**Material Name: FAST Catalyst**

**Product #: 303436**

**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 or dispose of in a licensed facility. Do not discharge substance/product into sewer system.

**Container disposal:**

DRUMS:

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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**US DOT Information:**

Not classified as a dangerous good under transport regulations

**Sea transport IMDG**

Not classified as a dangerous good under transport regulations

**Air transportation IATA/ICAO**

Not classified as a dangerous good under transport regulations

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### Section 15 - REGULATORY INFORMATION

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**U.S. Federal Regulations**

Registration status:

Chemical TSCA, US released / listed.



## Safety Data Sheet

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**Product #: 303436**

**EPCRA 311/312 (Hazard categories)**

Acute

### STATE REGULATIONS

Chemical Name	CAS	State RTK
dipropylene glycol	25265-71-8	PA
triethylenediamine	280-57-9	NJ

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### Section 16 - OTHER INFORMATION

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#### HMIS Rating

Health: 3 Fire: 1 Physical Hazard: 1

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

#### NFPA Ratings

Health: 3 Fire: 1 Reactivity: 1

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

#### Summary of Changes

New SDS: May 17, 2015

#### 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

## Safety Data Sheet

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**Product #: 303436**

implied regarding the accuracy of such data or information. The results to be obtained from the use thereof, or that any such use does not infringe any patent, since the information contained herein may be applied under conditions of use beyond our control and with which we may be unfamiliar, we do not assume responsibility for the results of such application. 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 use.