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**Section 1 - PRODUCT AND COMPANY IDENTIFICATION**

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**Material Name:** PVC Cut-Edge Sealant

**Synonym:** Vinyl Sealant

**Chemical Family:** Solvent Based Sealant

**Product Use:** Sealant for PVC Single-Ply Roofing Membranes

**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.**

Eye Irritant- Category 2A

Specific Target Organ Toxicity - Single Exposure - Category 3

Flammable Liquids- Category 2

**GHS Label Elements**

The mixture is classified and labeled according to the the Globally Harmonized System (GHS).

**Symbol(s)**



**Signal Word**

Danger

**Hazard Statement(s)**

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

**Precautionary/ Response Statement(s)**

**Prevention / Response**

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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P103 Read label before use.  
 P210 Keep away from heat/sparks/open flames/hot surfaces.- No smoking  
 P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
 P261 Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P271 Use only outdoors or in a well-ventilated area  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P240 Ground/bond container and receiving equipment.  
 P233 Keep container tightly closed.  
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position Comfortable for breathing.  
 P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
 P405 Store locked up.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P501 Dispose of contents/container in accordance with local/regional/national/International regulations.

### Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
109-99-9	Tetrahydrofuran	80-88
9002-86-2	Polyvinyl Chloride	9-11
28553-12-0	Diisononyl Phthalate	5.7
1843-05-6	(2-Hydroxy-4-(octyloxy)-phenyl)phenylmethanone	0.9-1
128-37-0	Butylated Hydroxytoluene	<0.2
75-01-4	Vinyl Chloride	<0.00001

### Section 4 - FIRST AID MEASURES

**EYES:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**SKIN:** Generally the product does not irritate the skin.

**INGESTION:** Give large amounts of water. If symptoms persist, consult a doctor

**INHALATION:** If inhaled remove to fresh air. In case of complaints seek medical attention.

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### **SIGNS AND SYMPTOMS OF OVEREXPOSURE**

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

No further relevant information available.

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

No further relevant information available.

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### **Section 5 - FIRE FIGHTING MEASURES**

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#### **Extinguishing Media**

CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

#### **For safety reasons unsuitable extinguishing agents:**

Water with full jet.

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

No further relevant information available.

#### **Advice for firefighters**

#### **Protective equipment:**

No special measures required.

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### **Section 6 - ACCIDENTAL RELEASE MEASURES**

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

Wear protective equipment. Keep unprotected persons away.

#### **Environmental precautions:**

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water.

#### **Methods and material for containment or cleaning up:**

Absorb with liquid-binding material (ie. Sand, diatomite, acid binders, universal binders,sawdust). Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

#### **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## Section 7 - HANDLING AND STORAGE

**HANDLING:**

Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Prevent formation of aerosols.

**Information about protection against explosions and fire:**

Keep ignition sources away – Do not smoke. Protect from heat. Protect against electrostatic charges.

**STORAGE**

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility: Not required.

Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

**Specific end use(s)** No further relevant information available.

## Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Component Exposure Limits**

<b>tetrahydrofuran</b>	109-99-9	
PEL:	Long-term value 200 ppm ;590 mg/m <sup>3</sup>	
REL	Short-term value 250 ppm ;735 mg/m <sup>3</sup>	Long-term value 200 ppm ;590 mg/m <sup>3</sup>
TLV	Short-term value 100 ppm ;295 mg/m <sup>3</sup>	Long-term value Skin 200 ppm ;147 mg/m <sup>3</sup>
BEI	2 mg/L; urine, end of shift, tetrahydrofuran	
<b>Vinyl Chloride</b>	75-01-4	
TWA	1ppm -ACGIH	
TWA	1ppm – OSHA	
STEL	5ppm – OSHA	

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**Individual Protection Measures, such as Personal Protective Equipment**

**General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin.

**Eye/face protection**

Tightly sealed goggles.

**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Select the glove material based on penetration times, rates of diffusion and degradation.

**Additional Information: The lists that were valid during the creation were used as basis.**

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

**Penetration time of glove material**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

**Respiratory Protection**

Not required.

### Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	liquid	<b>Physical State</b>	liquid
<b>Odor</b>	Ether-like	<b>Color</b>	Colorless
<b>Boiling Point Range</b>	65 °C (149 °F)	<b>Flammability Limit</b>	N/A
<b>Autoignition</b>	Not determined	<b>Flash Point</b>	-21 °C (-6 °F)
<b>Danger of explosion</b>	May form explosive peroxides	<b>Explosion limits</b>	1.5 vol% Low 12 vol% Upper
<b>Vapor pressure @ 20 °C (68 °F)</b>	200 hPa (150 mm Hg)	<b>Relative density</b>	Not determined
<b>Vapor Density (air=1)</b>	Not determined	<b>VOC</b>	780 g/l
<b>Solubility in/ Miscibility with water</b>	Not miscible or difficult to mix	<b>Partition coefficient (n-octanol/water)</b>	Not determined
<b>Dynamic/Kinematic</b>	Not determined	<b>Organic Solvents</b>	83.8%

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<b>Density @ 20 °C (68 °F)</b>	0.930 g/cm <sup>3</sup> (7.76 lbs/gal)	<b>pH-value</b>	7
<b>Melting Point Range</b>	-108 °C (-163 °F)	<b>Ignition Temperature</b>	230 °C (446 °F)

**COMMENTS:** 5.27 lb VHAP/lb Solid 84.1% by weight HAP

### Section 10 - STABILITY AND REACTIVITY

**Reactivity**

No further relevant information available.

**Chemical stability**

**Thermal decomposition/conditions to be avoided:**

No decomposition if used according to specifications

**Possibility of hazardous reactions**

No dangerous reactions known.

**Conditions to avoid**

No further relevant information available.

**Incompatible materials:**

No further relevant information available.

**Hazardous decomposition products:**

No dangerous decomposition products known.

### Section 11 - TOXICOLOGICAL INFORMATION

**Information on toxicological effects**

**Acute toxicity:**

**LD/LC50 values that are relevant for classification:**

109-99-9 tetrahydrofuran

Oral LD50 2500 mg/kg (rat)

75-01-4 Vinyl Chloride

Oral LD50 500mg/kg (rat)

Inhalation LC50 18lb/h (rat) (15 min)

**Primary irritant effect:**

**On the skin:**

No irritant effect.

**On the eye:**

Irritating effect.

**Sensitization:**

No sensitizing effects known.

**Additional toxicological information:**

**Carcinogenic categories**

**IARC (International Agency for Research on Cancer)**

9002-86-2 polyvinyl chloride

75-01-4 vinyl chloride

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**NTP (National Toxicology Program)**

Known human carcinogen.

**OSHA hazard communication carcinogen list**

On list.

**OSHA specifically regulated carcinogen list**

On list.

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**Section 12 - ECOLOGICAL INFORMATION**

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**Toxicity****28553-12-0 diisononyl phthalate**

LC50 420 ug/l fresh water (channel catfish) 96 h

LC50 4670 ug/l fresh water (reardear sunfish) 96 h

LC50 0.140 ug/l fresh water (bluegill) 96 h

EC50 0.060 mg/l fresh water (aquatic invertebrates, water flea) 48 h

EC50 1800 mg/l fresh water (aquatic plants, green algae) 96 h

NOEC 34 ug/l fresh water (aquatic invertebrates, water flea) 21 d

NOEC 0.034 mg/l fresh water (aquatic invertebrates, water flea) 21 d

**75-01-4 vinyl chloride**

LC50 210 mg/l (Brachydanio rerio, fish) 96 h

**Aquatic toxicity**

No further relevant information available.

**Persistence and degradability**

No further relevant information available.

**Bioaccumulative potential**

28553-12-0 diisononyl phthalate: LogPow: 8.8-9.7, BCF: 3.00, Potential: Low

75-01-4 vinyl chloride: LogPow: 1.58, BCF Fish: no significant bioaccumulation

**Mobility in soil**

No further relevant information available.

**Additional ecological information:****General notes:**

Water hazard class 1 (assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

**PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.

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**Section 13 - DISPOSAL CONSIDERATIONS**

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**Waste treatment methods****Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Uncleaned packagings:****Recommendation:**

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Disposal must be made according to official regulations.

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### Section 14 - TRANSPORT INFORMATION

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**UN-Number**

**DOT, ADR, IMDG, IATA UN1133**

**UN proper shipping name**

**DOT** Adhesives, containing a flammable liquid.

**ADR** Not determined

**IMDG, IATA** Not determined

**Transport hazard class(es)**

**DOT**

**Class** 3 Flammable liquids.

**Label** 3

**ADR** Not determined

**Class** Not determined

**IMDG< IATA** Not determined

**Class** Not determined

**Label** Not determined

**Packing group**

**DOT, ADR, IMDG, IATA II**

**Environmental hazards:**

**Marine pollutant:** No

**Special precautions for user Warning:** Flammable liquids

**Danger code (Kemler)** 33

**EMS Number:** Not applicable.

**Transport in bulk according to Annex II of**

**MARPOL 73/78 and the IBC Code** Not applicable.

**Transport/Additional information:**

**DOT**

**Remarks: ERG Guide Number:** 128

**UN "Model Regulation":** UN1133, Adhesives, 3, II

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### Section 15 - REGULATORY INFORMATION

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**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Sara**

**Section 355 (extremely hazardous substances):**

Mixture substances are not listed.

**Section 313 (Specific toxic chemical listings):**

Mixture substances are not listed.

**TSCA (Toxic Substance Control Act):**

109-99-9 tetrahydrofuran is listed.

**Proposition 65**

**Chemicals known to cause cancer:**



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28553-12-0 diisononyl Phthalate

75-01-4 vinyl chloride

**Chemicals known to cause reproductive toxicity for females:**

Mixture substances are not listed'

**Chemicals known to cause reproductive harm to males:**

Mixture substances are not listed.

**Chemicals known to cause developmental toxicity:**

Mixture substances are not listed.

**TLV (Theshold Limit Value established by ACGIH)**

109-99-9 tetrahydrofuran

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

Mixture substances are not listed

**National regulations**

Mixture substances are not listed.

**State Right to Know**

Mixture substances are not listed.

**Chemical safety assessment:** A chemical Safety Assessment has not been carried out.

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### Section 16 - OTHER INFORMATION

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**HMIS Rating**

Health: 1 Fire: 3 Reactivity: 0

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

**NFPA Ratings**

Health: 1 Fire: 3 Reactivity: 0

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

**Other Information**

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of the need that the information is current, applicable, and suitable to their circumstances.

**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 -

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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:

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