
Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

LiquiSeal Liquid Flashing Resin

Synonyms

Waterproofing Resin

Product Use

Waterproofing Resin

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)

Section 2 - HAZARDS IDENTIFICATION

Classification of the substance or mixture:

GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

Label Elements**GHS Label Elements**

This product is classified and labeled according to the Globally Harmonized System (GHS).

Signal Word

Warning

Hazard-determining Components of Labeling

2-n-butyl-benzo[d]isothiazol-3-one

Hazard Statement(s)

May cause an allergic skin reaction.

Safety Data Sheet

Material Name: LiquiSeal Liquid Flashing Resin

Product #: 330891 - .5G

Precautionary Statement(s)

Avoid breathing mist/vapours/spray.
 Wear protective gloves.
 Contaminated work clothing must not be allowed out of the workplace.
 Specific treatment (see on this label).
 Wash contaminated clothing before reuse.
 If skin irritation or rash occurs: Get medical advice/attention.
 If on skin: Wash with plenty of water.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

NFPA ratings (scale 0 - 4):



Health = 0
 Fire = 1
 Reactivity = 0

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Description: Mixture of the substances listed below with nonhazardous additions.

Dangerous Components		
13463-67-7	titanium dioxide	10-<25%
57-55-6	Propylene Glycol	1-<3%
4299-07-4	2-n-butyl-benzo[d]isothiazol-3-one	0.1-<0.25%
115-86-6	triphenyl phosphate	0.1-<0.3%

Additional Information: Exact concentrations are being withheld as trade secrets.

Section 4 - FIRST AID MEASURES

After Inhalation:

Supply fresh air; consult doctor in case of complaints.

After Skin Contact:

Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or a rash occurs: Get medical advice/attention.

After Eye Contact:

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

After Swallowing:

If symptoms persist consult doctor.

Safety Data Sheet

Material Name: LiquiSeal Liquid Flashing Resin

Product #: 330891 - .5G

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.

Section 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Agents:

Use fire fighting measures that suit the environment.

Special Hazards Arising from the Substance or Mixture:

No further relevant information available.

Protective Equipment:

No special measures required.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear protective clothing.

Environmental Precautions

Do not allow to enter sewers/ surface or ground water.

Methods and Materials for Containment and Cleaning Up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protective equipment.

See Section 13 for disposal information.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

No special precautions are necessary if used correctly.

Information about protection against explosions and fires:

No special measures required.

Storage

Requirements to be met by storerooms and receptacles:

No special requirements.

Information about storage in one common storage facility:

Not required.

Safety Data Sheet

Material Name: LiquiSeal Liquid Flashing Resin

Product #: 330891 - .5G

Further Information about Storage Conditions:

None.

Special End Use(s):

No further relevant information available.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical systems: No further data; see item 7.

Component with limit values that require monitoring at the workplace:	
57-55-6 Propylene Glycol	
EV	Long-term value: 155* 10** mg/m ³ , 50* ppm *vapour and aerosol; **aerosol only
115-86-6 triphenyl phosphate	
EL	Long-term value: 3 mg/m ³
EV	Long-term value: 3 mg/m ³

Additional Information:

The lists that were valid during the creation were used as basis.

Personal Protective Equipment

General Protective and Hygienic Measures:

Wash hands before breaks and at the end of work.

Breathing Equipment:

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of Hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of Gloves:

- Neoprene gloves
- Butyl rubber, BR
- Nitrile rubber, NBR

Eye Protection

Goggles recommended during refilling

Safety Data Sheet

Material Name: LiquiSeal Liquid Flashing Resin

Product #: 330891 - .5G

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid	Color	White
Odor	Characteristic	Odour threshold	Not determined
pH-value	Not determined	Melting point/Melting range	Undetermined
Boiling Point/Boiling Range	185°C	Flash Point	101°C
Flammability (solid, gaseous)	Not applicable	Ignition temperature	> 450°C
Decomposition temperature	Not determined	Auto igniting	Product is not selfigniting
Danger of explosion	Product does not present an explosion hazard	Explosion limits Lower Upper	Not determined Not determined
Vapor pressure at 20°C	1 hPa	Density at 20°C	1.33 g/cm ³
Relative density	Not determined	Vapour density	Not determined
Evaporation rate	Not determined	Solubility in /Miscibility with Water	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water)	Not determined	Viscosity Dynamic Kinematic	Not determined Not determined
Solvent content: Organic solvents:	0.16%	Solids Content Other information	70.4% VOC: 2 g/L (Component A+B)

Section 10 - STABILITY AND REACTIVITY

Thermal Decomposition/Conditions to be Avoided:

No decomposition if used according to specifications.

Safety Data Sheet

Material Name: LiquiSeal Liquid Flashing Resin

Product #: 330891 - .5G

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

Specific Symptoms in Biological Assay:

No further relevant information available.

Primary Irritant Effect:

On the skin: No irritant effect.

On the eye: No irritating effect.

Sensitization: Sensitization possible through skin contact.

Additional Toxicological Information:

Carcinogenic Categories

IARC (International Agency for Research on Cancer)		
13463-67-7	titanium dioxide	2B
1318-02-1	Zeolite powder 3 A	3
60676-86-0	Silica, fused	3
1330-20-7	xylene	3
NTP (National Toxicology Program)		
None of the ingredients is listed.		
OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

Section 12 - ECOLOGICAL INFORMATION

Aquatic Toxicity:

No further relevant information available.

Persistence and Degradability:

No further relevant information available.

Bioaccumulative Potential:

No further relevant information available.

Safety Data Sheet

Material Name: LiquiSeal Liquid Flashing Resin

Product #: 330891 - .5G

Mobility in Soil:

No further relevant information available.

Additional Ecological Information

General Notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

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

Other Adverse Effects:

No further relevant information available.

Section 13 - DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Recommendation:

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

Uncleaned Packagings

Recommendations:

Place in a sealed container and label as waste. Place in a safe area, and comply with all federal, state, provincial and local regulations for disposal.

Section 14 - TRANSPORT INFORMATION

UN-Number DOT, TDG, ADN, IMDG, IATA	Not regulated
UN proper shipping name DOT, TDG, ADN, IMDG, IATA	Not regulated
Transport hazard class(es) DOT, TDG, ADN, IMDG, IATA Class	Not regulated
Packing group DOT, TDG, IMDG, IATA	Not regulated
Environmental hazards: Marine pollutant:	No
Special precautions for user:	Not applicable
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable
Transport/Additional information: DOT Quality limitations	On passenger aircraft/rail: 1 L On cargo aircraft only: 30 L
TDG Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml

Safety Data Sheet

Material Name: LiquiSeal Liquid Flashing Resin

Product #: 330891 - .5G

	Maximum net quantity per outer packaging: 500 ml
IMDG Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	-

Section 15 - REGULATORY INFORMATION

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

Section 355 (extremely hazardous substances)	
None of the ingredients is listed.	
Section 313 (Specific toxic chemical listings)	
1344-28-1	aluminium oxide
1330-20-7	xylene
TSCA (Toxic Substance Control Act)	
All ingredients are listed or exempted	

Proposition 65

Chemicals known to cause cancer:
None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.
Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.
Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

Carcinogenic Categories

EPA (Environmental Protection Agency):		
4299-07-4	2-n-butyl-benzo[d]isothiazol-3-one	1258-1249
1330-20-7	xylene	I
TLV (Threshold Limit Value established by ACGIH):		
13463-67-7	titanium dioxide	A4
1344-28-1	aluminium oxide	A4
1314-23-4	zirconium dioxide	A4
115-86-6	triphenyl phosphate	A4
1330-20-7	xylene	A4
NIOSH-Ca (National Institute for Occupational Safety and Health)		
13463-67-7	titanium dioxide	
60676-86-0	Silica, fused	

Safety Data Sheet

Material Name: LiquiSeal Liquid Flashing Resin

Product #: 330891 - .5G

Canadian Substance Listings

Canadian Domestic Substances List (DSL)	
	Nonhazardous material
8001-79-4	Castor oil
13463-67-7	titanium dioxide
1318-02-1	Zeolite powder 3 A
1241-94-7	2-ethylhexyl diphenyl phosphate
57-55-6	Propylene Glycol
1344-28-1	aluminium oxide
1314-23-4	zirconium dioxide
67762-90-7	Siloxanes and Silicones, di-Me, reaction products with silica
16368-97-1	bis(2-ethylhexyl) phenyl phosphate
60676-86-0	Silica, fused
115-86-6	triphenyl phosphate
762-04-9	diethyl phosphonate
3648-18-8	Diocetyl tin Dilaurate
1330-20-7	xylene
Canadian Ingredient Disclosure List (Limit 0.1%):	
None of the ingredients is listed.	
Canadian Ingredient Disclosure List (Limit 1%):	
8001-79-4	Castor oil
57-55-6	Propylene Glycol

GHS label elements

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

Hazard Pictograms



GHS07

Signal Word:

Warning

Hazard-determining Components of Labeling:

2-n-butyl-benzo[d]isothiazol-3-one

Hazard Statements:

May cause an allergic skin reaction.

Precautionary Statements:

Avoid breathing mist/vapours/spray.

Wear protective gloves.

Safety Data Sheet

Material Name: LiquiSeal Liquid Flashing Resin

Product #: 330891 - .5G

Contaminated work clothing must not be allowed out of the workplace.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
If skin irritation or rash occurs: Get medical advice/attention.
If on skin: Wash with plenty of water.
Dispose of contents/container in accordance with local/regional/national/international regulations.

Section 16 - OTHER INFORMATION

This MSDS format meets ANSI Z400.1-1998, OSHA 1910.1200 and WHMIS requirements. Kemper System America, Inc. provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Product use and conditions of use are beyond the control of Kemper System America, Inc. Warranty of materials is limited to test results of product performance as detailed in certificates of compliance. Interpretation of test results is the responsibility of end-user. No other warranties, expressed or implied, are made. Kemper System America, Inc is an ISO 9001:2008 and ISO 14001:2004 registered company.

Summary of Changes

Revision Date: October 03, 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



Safety Data Sheet

Material Name: LiquiSeal Liquid Flashing Resin

Product #: 330891 - .5G

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 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.