

Safety Data Sheet

Material Name: LiquiSeal Concrete & Masonry Primer (A)

Product #: 330897 (.25G)
330898 (1.1G)

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name

LiquiSeal Concrete & Masonry Primer

Synonyms

Epoxy based primer

Chemical Family

Polyol Blend

Restrictions on Use

For industrial use only.

Manufacturer Information

Versico LLC

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 Irrit. 2	H315 Causes skin irritation.
Eye Irrit. 2A	H319 Causes serious eye irritation.
Skin Sens. 1	H317 May cause an allergic skin reaction.

Label Elements

GHS Label Elements

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

Signal Word

Warning.

Hazard-determining components of labeling

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)
Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol
oxirane, mono[(C12-14-alkyloxy)methyl] derivs

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Hazard Statement(s)

Causes skin irritation.
Causes serious eye irritation.
May cause an allergic skin reaction.

Precautionary Statements

Avoid breathing dust/fume/gas/mist/vapours/spray.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see on this label).
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of soap and water.
Take off contaminated clothing and wash it before reuse.
Dispose of contents/container in accordance with local/regional/national/international regulations.

WHMIS-symbols:

D2B - Toxic material causing other toxic effects



NFPA ratings (scale 0 - 4):



Health = 1
Fire = 1
Reactivity = 0

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Substances

CAS No. Description

25068-38-6 reaction product: bisphenol-A-(epichlorhydrin) epoxy resin
(number average molecular weight ≤ 700)

Identification number(s)

NLP Number: 500-033-5

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Index number: 603-074-00-8

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

Dangerous Components:		
25068-38-6	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)	60-100%
9003-36-5	Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol	30-60%
68609-97-2	oxirane, mono[(C12-14-alkyloxy)methyl] derivs	25-30%

Section 4 - FIRST AID MEASURES

After Inhalation: Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After Skin Contact: Wash with plenty of soap and 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.

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.

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Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear protective clothing.

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 Materials for Containment and Cleaning Up

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

Ensure adequate ventilation.

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:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

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.

Further Information about Storage Conditions: Keep receptacle tightly sealed.

Special End Use(s): No further relevant information available.

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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:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional Information:

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

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 and skin.

Breathing Equipment:

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of Hands:



Protective gloves

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

Material of Gloves:

Butyl rubber, BR

Fluorocarbon rubber (Viton)

Nitrile rubber, NBR

Eye Protection



Tightly sealed goggles.

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Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Form	Fluid	Color	Light yellow
Odor	Aromatic	Odour threshold	Not determined
pH-value at 20°C	7	Change in condition Melting point/Melting range Boiling point/Boiling range	Undetermined Not determined
Flash point	149°C	Ignition temperature Decomposition temperature	Not determined
Auto igniting	Not determined	Danger of explosion	Product does not present an explosion hazard
Explosion limits Lower Upper	Not determined Not determined	Vapor pressure	Not determined Not applicable
Density at 20°C Relative density Vapour density Evaporation rate	1.13 g/cm ³ Not determined Not determined Not determined	Solubility in / Miscibility with Water	Not miscible or difficult to mix. Insoluble.
Partition coefficient (N-octanol/water)	Not determined	Viscosity Dynamic at 20°C Kinematic	900 mPas Not determined
Solvent content Organic solvents	0.0%		
Solids content Other information	100.0% No further relevant information available		

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Section 10 - STABILITY AND REACTIVITY

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

Primary Irritant Effect:

On the skin: Irritant to skin and mucous membranes.

On the eye: Irritating effect.

Sensitization: Sensitization possible through skin contact.

Additional Toxicological Information:

Carcinogenic Categories

IARC (International Agency for Research on Cancer)
None of the ingredients is listed.
NTP (National Toxicology Program)
None of the ingredients is listed.
OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

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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.

Mobility in Soil: No further relevant information available.

Ecotoxicological effects:

Remark: Toxic to fish

Additional Ecological Information

General Notes:

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms.

Water hazard class 2 (Self-assessment): hazardous for water.

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

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.

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Section 14 - TRANSPORT INFORMATION

UN-Number	UN3082
DOT, TDG, IMDG, IATA	
UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol)
DOT	
TDG	3082 Environmentally hazardous substances, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol)
IMDG	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol), MARINE POLLUTANT
IATA	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol)
Transport hazard class(es)	
DOT, TDG, IMDG, IATA	
 	
Class	9 Miscellaneous dangerous substances and articles
Label	9
Packing group	
DOT, TDG, IMDG, IATA	III
Environmental hazards:	
Marine pollutant:	Yes
Special marking (TDG)	Symbol (fish and tree)
Special marking (IATA)	Symbol (fish and tree)

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Special precautions for user:	Warning: Miscellaneous dangerous substances and articles
Danger code (Kemler):	90
EMS Number:	F-A,S-F
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	Not applicable.
Transport/Additional information:	
DOT	
Quantity limitations	On passenger aircraft/rail: No limit On cargo aircraft only: No limit
Remarks	Special marking with the symbol (fish and tree).
TDG	
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
IMDG	
Limited quantities (LG)	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN3082, Environmentally hazardous substances, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700), Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol), 9, III

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)
None of the ingredients is listed.
TSCA (Toxic Substance Control Act):
All ingredients are listed.

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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):
None of the ingredients is listed.
TLV (Threshold Limit Value established by ACGIH):
None of the ingredients is listed.
NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

Canadian Substance Listings

Canadian Domestic Substances List (DSL)
All ingredients are listed.
Canadian Ingredient Disclosure List (Limit 0.1%):
None of the ingredients is listed.
Canadian Ingredient Disclosure List (Limit 1%)
None of the ingredients is listed.

GHS label elements:

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Hazard Pictograms:



GHS07

Signal Word:

Warning

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May cause an allergic skin reaction.

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Avoid breathing dust/fume/gas/mist/vapours/spray.

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

Wash thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace.

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

Specific treatment (see on this label).

If skin irritation or rash occurs: Get medical advice/attention.

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IF ON SKIN: Wash with plenty of soap and water.

Take off contaminated clothing and wash it before reuse.

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.

Date of preparation / last revision:

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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



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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 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.