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
Weatherbond
P.O. Box 215
Plainfield, PA 17081  USA
Phone: +1-866-471-5125
Emergency Phone #: +1-800-424-9300 (Chemetrec)

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 \( \leq 700 \))
Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol oxirane, mono[(C12-14-alkyloxy)methyl] derivs

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
Index number: 603-074-00-8
Description: Mixture of the substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>Number</th>
<th>Description</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>25068-38-6</td>
<td>reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ( \leq 700 ))</td>
<td>60-100%</td>
</tr>
<tr>
<td>9003-36-5</td>
<td>Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol</td>
<td>30-60%</td>
</tr>
<tr>
<td>68609-97-2</td>
<td>oxirane, mono[(C12-14-alkyloxy)methyl] derivs</td>
<td>25-30%</td>
</tr>
</tbody>
</table>

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.
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.
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.
**Section 9 - PHYSICAL AND CHEMICAL PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>Fluid</td>
</tr>
<tr>
<td>Odor</td>
<td>Aromatic</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>Not determined</td>
</tr>
<tr>
<td>pH-value at 20°C</td>
<td>7</td>
</tr>
<tr>
<td>Change in condition</td>
<td>Melting point/Melting range</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>Decomposition temperature</td>
</tr>
<tr>
<td>Flash point</td>
<td>149°C</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>Not determined</td>
</tr>
<tr>
<td>Auto igniting</td>
<td>Not determined</td>
</tr>
<tr>
<td>Danger of explosion</td>
<td>Product does not present an explosion hazard</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>Not determined</td>
</tr>
<tr>
<td>Lower</td>
<td>Not determined</td>
</tr>
<tr>
<td>Upper</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not determined</td>
</tr>
<tr>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Density at 20°C</td>
<td>1.13 g/cm³</td>
</tr>
<tr>
<td>Relative density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not determined</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solubility in / Miscibility with Water</td>
<td>Not miscible or difficult to mix. Insoluble.</td>
</tr>
<tr>
<td>Partition coefficient (N-octanol/water)</td>
<td>Not determined</td>
</tr>
<tr>
<td>Viscosity Dynamic at 20°C Kinematic</td>
<td>900 mPas</td>
</tr>
<tr>
<td>Solvent content</td>
<td>Organic solvents</td>
</tr>
<tr>
<td>0.0%</td>
<td>Not determined</td>
</tr>
<tr>
<td>Solids content</td>
<td>Other information</td>
</tr>
<tr>
<td>100.0%</td>
<td>No further relevant information available</td>
</tr>
</tbody>
</table>
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 though 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. |
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.

Ecotoxic 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 Packaging:
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

<table>
<thead>
<tr>
<th>UN-Number</th>
<th>DOT, TDG, IMDG, IATA</th>
<th>UN3082</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>DOT</td>
<td>Environmentally hazardous substances, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ( \leq 700 )), Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol)</td>
</tr>
<tr>
<td>TDG</td>
<td>3082 Environmentally hazardous substances, liquid, n.o.s. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ( \leq 700 )), Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol)</td>
<td></td>
</tr>
<tr>
<td>IMDG</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ( \leq 700 )), Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol), MARINE POLLUTANT</td>
<td></td>
</tr>
<tr>
<td>IATA</td>
<td>ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ( \leq 700 )), Formaldehyde, polymer with 2-(chloromethyl)oxirane and phenol)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transport hazard class(es)</th>
<th>DOT, TDG, IMDG, IATA</th>
<th>Class 9 Miscellaneous dangerous substances and articles</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label</td>
<td>9</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Packing group</th>
<th>DOT, TDG, IMDG, IATA</th>
<th>III</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Environmental hazards:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Marine pollutant:</td>
<td>Yes</td>
</tr>
<tr>
<td>Special marking (TDG)</td>
<td>Symbol (fish and tree)</td>
</tr>
<tr>
<td>Special marking (IATA)</td>
<td>Symbol (fish and tree)</td>
</tr>
</tbody>
</table>
Safety Data Sheet

Material Name: LiquiSeal Concrete & Masonry Primer (A)

| 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
Special marking with the symbol (fish and tree).

Remarks

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
Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

Exception quantities (EQ)

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

Hazard Pictograms:

![GHS07]

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

Hazard Statements:
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.

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
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Date of preparation / last revision:
10/24/2014 / 3

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 -
Safety Data Sheet

Material Name: LiquiSeal Concrete & Masonry Primer (A)  
Product #: 330897 (.25G)  
330898 (1.1G)

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  
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particular use.