

1 Identification

- **Product identifier**
- **Trade name:** Resinwerks LevelGuard EM Part-A
- **Product code:** 20122
- **Recommended use and restrictions on use**
- **Use of the substance/mixture:** 2-part Epoxy System, Part A
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Resinwerks
7205 Gilpin Way, Ste 200
Denver, CO 80229
- **Information department:**
Product safety department
- **Emergency telephone number:**
During normal opening times: +1 (720) 484-5160

2 Hazard(s) Identification

- **Classification of the substance or mixture**
- **GHS-US Classification**
Skin corrosion/irritation, Category 2 **H315** Causes skin irritation.
Serious eye damage/eye irritation, Category 2 **H319** Causes serious eye irritation.
Skin sensitization, Category 1 **H317** May cause an allergic skin reaction.
Hazardous to the aquatic environment — Chronic Hazard, Category 2 **H411** Toxic to aquatic life with long lasting effects.
Full text of H-statements: see section 16

- **GHS Label elements, including precautionary statements**
- **Hazard pictograms (GHS US):**



- **Signal word (GHS US):** Warning
- **Hazard statements (GHS US):**
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H411 - Toxic to aquatic life with long lasting effects
- **Precautionary statements (GHS US):**
P261 - Avoid breathing dust, fume, gas, mist, vapours, spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves.
P302+P352 - If on skin: Wash with plenty of mild soap and water.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P333+P313 - If skin irritation or rash occurs: Get medical advice or attention.
P337+P313 - If eye irritation persists: Get medical advice or attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.

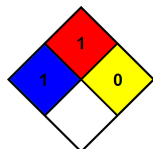
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P391 - Collect spillage.

P501 - Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

• **Other hazards which do not result in classification**

No additional information available

• **NFPA Ratings (scale 0-4)**

Health = 1 Fire = 1 Reactivity = 0

• **HMIS Ratings (scale 0-4)**

• HEALTH 2 FIRE 1 REACTIVITY 0 PERSONAL PROTECTION C

3 Composition/Information on Ingredients• **Substances**

Not applicable

• **Mixtures**

Name	CAS No.	Conc. (% w/w)	GHS Classification
Bisphenol-A Epoxy Resin	(CAS-No.) 25068-38-6 / 1675-54-3	40 – 70	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411
Epoxy Resin	(CAS-No.) Trade Secret*	40 – 70	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Aquatic Chronic 2, H411

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Full text of hazard classes and H-statements: see section 16

4 First-Aid Measures• **Description of first aid measures**

- **First-aid measures after inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention.
- **First-aid measures after skin contact:** Take off immediately all contaminated clothing and wash it before reuse. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation occurs: Get medical advice/attention.
- **First-aid measures after eye contact:** IF IN EYES: 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.
- **First-aid measures after ingestion:** Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

• **Most important symptoms and effects (acute and delayed)**

- **Symptoms/effects:** Delayed adverse effects possible.
- **Chronic symptoms:** Cross-sensitization, or allergic response away from direct contact area may occur. Symptoms of chronic overexposure may not be readily apparent.
- Bisphenol-A Epoxy Resin: Allergic response, tissue swelling, hives.

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

Treat symptomatically.

5 Fire-Fighting Measures• **Suitable (and unsuitable) extinguishing media**

- **Suitable extinguishing media:** Water spray. Dry powder. Foam. Carbon dioxide.
- **Unsuitable extinguishing media:** Do not use a heavy water stream.

• **Specific hazards arising from the chemical**

- **Fire hazard:** Irritating and/or toxic gases or fumes likely if involved in fire or exposed to extreme heat.

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- **Reactivity:** The product is non-reactive under normal conditions of use, storage and transport.
- **Special protective equipment and precautions for fire-fighters**
- **Firefighting instructions:** Use water spray or fog for cooling exposed containers. Dike water and extinguishing agents away from drains and waterways if possible.
- **Protection during firefighting:** Do not attempt to take action without suitable protective equipment. Use self-contained breathing apparatus and chemically protective clothing.
- **Other information:** On heating/burning: release of harmful/irritant gases/vapours.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
- For non-emergency personnel:
 - Protective equipment:** Safety glasses, Gloves.
 - Emergency procedures:** Take up small spills with dry chemical absorbent. Clean/flush spill area with mild detergent solution. Avoid contact with skin and eyes.
- For emergency responders:
 - Protective equipment:** Boots, gloves, goggles. Synthetic apron.
 - Emergency procedures:** Absorb remaining liquid with sand or inert absorbent and remove to safe place. Prevent product from entering drains. Sweep or shovel spills into appropriate container for disposal.
- **Environmental precautions**
 - Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
- **Methods and material for containment and cleaning up**
- **For containment:** Dike and contain spill. Soak up small spill with inert solids. Sweep or shovel spills into appropriate container for disposal.
- **Methods for cleaning up:** Shovel or sweep up and put in a closed container for disposal. Clean/flush spill area with mild detergent solution.
- **Reference to other sections**
 - For further information refer to section 13.

7 Handling and Storage

- **Precautions for safe handling**
- **Additional hazards when processed:** When heated, material emits irritating fumes.
- **Precautions for safe handling:** Avoid contact with skin, eyes and clothing. Wear personal protective equipment.
- **Hygiene measures:** Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Always wash hands after handling the product.
- **Conditions for safe storage, including any incompatibilities**
- **Storage conditions:** Store indoors in closed containers with closure in upper position. Do not expose to temperatures exceeding 50 °C / 122 °F. Store in a dry place.
- **Maximum storage period:** 12 months
- **Storage temperature:** 10 – 50 °C

8 Exposure Controls / Personal Protection

- **Control parameters**
- Bisphenol-A Epoxy Resin (25068-38-6 / 1675-54-3): Not applicable
- Epoxy Resin (Trade Secret): Not applicable
- **Appropriate engineering controls**
 - Provide local exhaust or general room ventilation. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
 - Environmental exposure controls:** Avoid release to the environment.
- **Individual protection measures / Personal protective equipment**
- **Personal protective equipment:** Gloves. Safety glasses. Protective goggles.
- **Hand protection:** Protective gloves. Butyl rubber. Chloroprene rubber. Nitrile rubber.
- **Eye protection:** Chemical goggles or safety glasses.

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- **Skin and body protection:** Keep work clothing separate. Wear suitable protective clothing. Long sleeved protective clothing.
- **Respiratory protection:** Not expected to present a respiratory hazard under ambient conditions of normal industrial use due to low vapor pressure. Use approved respiratory protection if sprayed, aerosolized, or heated.
- **Thermal hazard protection:** Use insulated gloves when handling this material hot.

9 Physical and Chemical Properties

- **Physical state:** Liquid
 - **Colour:** Clear
 - **Odour:** No data available
 - **Odour threshold:** No data available
 - **pH:** No data available
 - **Melting point:** Not applicable
 - **Freezing point:** < 0 °C
 - **Boiling point:** > 100 °C
 - **Flash point:** > 100 °C
 - **Flammability:** No data available
 - **Vapour pressure:** < 0.1 mm Hg @ 20 °C
 - **Relative vapour density at 20°C:** No data available
 - **Density:** 1.164 g/cm³
 - **Solubility:** Poorly soluble in water
 - **Partition coefficient n-octanol/water (Log Pow):** No data available
 - **Auto-ignition temperature:** No data available
 - **Decomposition temperature:** No data available
 - **Viscosity, kinematic:** No data available
 - **Viscosity, dynamic:** No data available
 - **Explosive limits:** No data available
 - **Explosive properties:** No data available
 - **Oxidising properties:** No data available
- No additional information available

10 Stability and Reactivity

- **Reactivity**

The product is non-reactive under normal conditions of use, storage and transport.
- **Chemical stability**

Stable under normal conditions.
- **Possibility of hazardous reactions**

Reaction with amines in large amounts or under uncontrolled conditions may produce extreme heat with noxious smoke and fumes.
- **Conditions to avoid**

Overheating.
- **Incompatible materials**

Oxidizing agent.
- **Hazardous decomposition products**

Carbon dioxide. Carbon monoxide. Irritating and/or toxic gases or fumes may be generated by thermal decomposition or combustion. Residual monomer.

11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity (oral):** Not classified
- **Acute toxicity (dermal):** Not classified
- **Acute toxicity (inhalation):** Not classified

Bisphenol-A Epoxy Resin: LD50 oral rat 11400 mg/kg; LD50 dermal rat >5000 mg/kg
- **Skin corrosion/irritation:** Causes skin irritation.
- **Serious eye damage/irritation:** Causes serious eye irritation.

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- **Respiratory or skin sensitisation:** May cause an allergic skin reaction.
- **Germ cell mutagenicity:** Not classified
- **Carcinogenicity:** Not classified
- **Reproductive toxicity:** Not classified
- **STOT-single exposure:** Not classified
- **STOT-repeated exposure:** Not classified
- **Aspiration hazard:** Not classified
- **Symptoms/effects:** Delayed adverse effects possible.
- **Chronic symptoms:** Cross-sensitization, or allergic response away from direct contact area may occur. Symptoms of chronic overexposure may not be readily apparent.
Bisphenol-A Epoxy Resin: Allergic response, tissue swelling, hives.

12 Ecological Information

- **Toxicity**
No additional information available.
- **Persistence and degradability**
Bisphenol-A Epoxy Resin: May cause long-term adverse effects in the environment.
- **Bioaccumulative potential**
 - Resinwerks LevelGuard EM Part-A (20122): Low bioaccumulation potential.
 - Bisphenol-A Epoxy Resin: Low bioaccumulation potential.
 - Epoxy Resin (Trade Secret): Partition coefficient n-octanol/water (Log Pow) 3.6 (Estimated)
- **Mobility in soil**
No additional information available.
- **Other adverse effects**
No additional information available.

13 Disposal Considerations

- **Disposal methods**
- **Waste treatment methods:** Landfilling of free liquid not recommended. Fuels burning or incineration preferred for material disposed of in "as sold" condition if regulations permit.
- **Sewage disposal recommendations:** Do not discharge into drains or the environment.
- **Product/Packaging disposal recommendations:** Collect all waste in suitable and labelled containers and dispose according to local legislation.
Dispose of contents or partial containers in accordance with local/regional regulations.

14 Transport Information

- **Department of Transportation (DOT)**
In accordance with DOT: **Not regulated**
- **Transport by sea (IMDG)**
 - **Transport document description:** UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Bisphenol-A Epoxy Resin), 9, III
 - **UN-No.:** 3082
 - **Class:** 9 – Miscellaneous dangerous substances and articles
 - **Packing group:** III – substances presenting low danger
 - **Marine pollutant:** Yes
- **Air transport (IATA)**
 - **Transport document description:** UN 3082 Environmentally hazardous substance, liquid, n.o.s. (Bisphenol-A Epoxy Resin), 9, III
 - **UN-No.:** 3082
 - **Proper Shipping Name:** Environmentally hazardous substance, liquid, n.o.s.
 - **Class:** 9 – Miscellaneous Dangerous Substances and Articles
 - **Packing group:** III – Low danger

15 Regulatory Information

Trade name: Resinwerks LevelGuard EM Part-A**• US Federal regulations**

• SARA Section 311/312 Hazard Classes: Health hazard – Respiratory or skin sensitization; Health hazard – Skin corrosion or Irritation

• Bisphenol-A Epoxy Resin (25068-38-6 / 1675-54-3)

EPA TSCA Regulatory Flag: XU – indicates a substance exempt from reporting under the Chemical Data Reporting Rule (40 CFR 711).
Listed on the United States TSCA (Toxic Substances Control Act) inventory – Status: Active

• International regulations

• EU-Regulations

Resinwerks LevelGuard EM Part-A (20122): RoHS Substance: No; SVHC: No
Bisphenol-A Epoxy Resin: SVHC: No; RoHS Substance: No
Epoxy Resin (Trade Secret): SVHC: No; RoHS Substance: No
No additional information available

16 Other Information**• Revision date**

10/17/2025

• Other information

Prepared in accordance with 29 CFR § 1910.1200 et.al., Hazard Communication Standard (HCS)

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• Abbreviations and acronyms:

N.A. – Not Applicable
N.E. – Not Established
N.D. – Not Determined

ACGIH – American Conference of Governmental Industrial Hygienists

OSHA – US Occupational Health and Safety Administration

TLV-TWA – Threshold Limit Value–Time Weighted Average (8 hrs)

STEL – Short-Term Exposure Limit (15 min)

PEL – Permissible Exposure Limit

OEL – Occupational Exposure Limit

IDLH – Immediately Dangerous to Life and Health

ATE – Acute Toxicity Estimate

BCF – Bioconcentration Factor

PNEC – Predicted No Effect Concentration

NOAEL – No Observed Adverse Effect Level

NFPA health hazard: 1 – Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard: 1 – Materials that must be preheated before ignition can occur.

NFPA reactivity: 0 – Material that in themselves are normally stable, even under fire conditions.

Hazard Rating — Health: 2 Moderate Hazard; Flammability: 1 Slight Hazard; Physical: 0 Minimal Hazard; Personal protection: C