

Safety Data Sheet

acc. to OSHA HCS

Printing date 06/01/2017

Reviewed on 06/01/2017

1 Identification

- Product identifier
 - Trade name: **EP1287 A**
 - Application of the substance / the mixture Epoxy Resin
- Details of the supplier of the safety data sheet
 - Manufacturer/Supplier:
 - ResinLab, LLC
 - N109 W13300 Ellsworth Drive
 - Germantown, WI 53022
 - 1-877-259-1669
 - www.resinlab.com
 - Information Department: Product Safety Department: mdsd@resinlab.com
 - Emergency Telephone Number:
 - North America - Chemtrec: 1-800-424-9300 (24 hours)
 - International - Chemtrec: 01-703-527-3887 (24 hours)

2 Hazard(s) identification

- Classification of the substance or mixture
 - 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).
 - Hazard pictograms



GHS07

- Signal word Warning
- Hazard-determining components of labeling:
 - Phenol, polymer with formaldehyde, glycidyl ether
 - 1,1,1-trimethylopropane triacrylate
 - Bisphenol-A-(epichlorohydrin) epoxy resin
- Hazard statements
 - H315 Causes skin irritation.
 - H319 Causes serious eye irritation.
 - H317 May cause an allergic skin reaction.
- Precautionary statements
 - Obtain special instructions before use.
 - Do not handle until all safety precautions have been read and understood.
 - Do not breathe dust/fume/gas/mist/vapors/spray.
 - Wash thoroughly after handling.
 - Use only outdoors or in a well-ventilated area.
 - Contaminated work clothing must not be allowed out of the workplace.
 - Avoid release to the environment.
 - Wear protective gloves/protective clothing/eye protection/face protection.
 - IF ON SKIN: Wash with plenty of water.
 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - Call a POISON CENTER/doctor if you feel unwell.
 - If skin irritation or rash occurs: Get medical advice/attention.
 - If eye irritation persists: Get medical advice/attention.
 - Take off contaminated clothing and wash it before reuse.
 - Collect spillage.
 - Dispose of contents/container in accordance with local/regional/national/international regulations.
- Additional information:
 - 12.9 % of the mixture consists of component(s) of unknown toxicity.

- Classification system:
 - NFPA System
 - NFPA ratings (scale 0 - 4)



NFPA special hazards (water reactivity and oxidizing property): None

- HMIS System
 - HMIS-ratings (scale 0 - 4)



- Other hazards
 - Results of PBT and vPvB assessment
 - PBT: Not applicable.

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· vPvB: Not applicable.

3 Composition/information on ingredients

· Chemical characterization: Mixtures

· Dangerous components:

| | | |
|---|--|-----------|
| CAS: 28064-14-4 | Phenol, polymer with formaldehyde, glycidyl ether Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317 | 30-40% |
| CAS: 15625-89-5 EINECS: 239-701-3 Index number: 607-111-00-9 RTECS: AT 4810000 | 1,1,1-trimethylolpropane triacrylate Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317 | 10-20% |
| CAS: 65997-17-3 EINECS: 266-046-0 | Fibrous Glass | 10-20% |
| CAS: 13560-89-9 EINECS: 236-948-9 | Bis(hexachlorocyclopentadieno) STOT RE 2, H373 | 5-<10% |
| CAS: 1309-64-4 EINECS: 215-175-0 Index number: 051-005-00-X | Diantimony trioxide Carc. 2, H351 Aquatic Acute 3, H402; Aquatic Chronic 3, H412 | 5-<10% |
| CAS: 67762-90-7 EC number: 614-122-2 | Siloxanes and Silicones, di-Me, reaction products with silica | 1-2.5% |
| CAS: 25085-99-8 EC number: 600-013-7 | Bisphenol-A-(epichlorohydrin) epoxy resin Aquatic Chronic 2, H411 Skin Irrit. 2, H315; Skin Sens. 1, H317 Aquatic Acute 2, H401 | 0.25-<1% |
| CAS: 2530-83-8 EINECS: 219-784-2 RTECS: VV 4025000 | Glycidyoxypropyltrimethoxysilane Skin Corr. 1A, H314 | 0.1-<1% |
| CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-01-8 RTECS: TZ 4300000 | isobutane Flam. Gas 1, H220 Press. Gas, H280 | 0-<0.1% |
| CAS: 7440-38-2 EINECS: 231-148-6 Index number: 033-001-00-X RTECS: CG 0525000 | arsenic Acute Tox. 3, H301; Acute Tox. 3, H331 Aquatic Acute 1, H400; Aquatic Chronic 1, H410 | 0-<0.025% |

· Additional information:

If the chemical name/CAS number is proprietary and or weight percentage is listed as a range, the specific chemical identity and or percentage of composition has been withheld as a trade secret.

4 First-aid measures

· Description of first aid measures

· General information:

Keep warm, position comfortably and cover well.
Immediately remove any clothing soiled by the product.

· After inhalation:

Supply fresh air and if symptoms occur call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.
If skin irritation or rash occurs, get medical advice/attention.

· After eye contact:

Flush eyes with water for 15 minutes occasionally lifting the upper and lower eyelids. Check for and remove contact lenses.
If irritation persists continue flushing and obtain medical attention immediately.

· After swallowing:

If victim is unconscious; never give anything by mouth.
If victim is conscious rinse mouth and give small amounts of water.
Get medical attention if you feel unwell.

· Information for 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**

After frequent or high intense exposure, the following medical tests are recommended:
Check section 11 Toxicological Information for further relevant information.

5 Fire-fighting measures

· Extinguishing media

· Suitable extinguishing agents:

Water spray
Alcohol resistant foam
Fire-extinguishing powder
Carbon dioxide
water fog

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

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

In case of fire, the following can be released:

Formaldehyde, a skin and lung sensitizer and a regulated carcinogen, may be formed during fires.

Carbon dioxide (CO₂) and Carbon monoxide (CO)

Metal or metal oxide dust

- **Advice for firefighters**

- **Protective equipment:**

Mouth respiratory protective device.

If employees are expected to fight fires, they must be trained and equipped as stated in the OSHA fire brigades standard (29 CFR 1910.156).

As with any fire, wear positive-pressure self-contained breathing apparatus and full protective gear that are NIOSH approved.

6 Accidental release measures

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

Wear protective clothing.

Do not breathe gas, vapors, dusts or mists if their inhalable particles occur during use.

- **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.

- **Methods and material for containment and cleaning up:**

For large spills: provide diking or containment to minimize spreading. If possible pump and store material in appropriate container.

For small spills: ventilate and wash area. Collect spills and absorbant material in appropriate container.

Ensure adequate ventilation.

Allow molten product to cool.

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

Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Handling:**

- **Precautions for safe handling**

Do not breathe dust created by sanding, cutting, machining or grinding.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Keep away from incompatible material(s).

Avoid any release into the environment.

For industrial or professional use only

Do not breathe dust/fumes/mist/vapor/spray.

Avoid contact with eyes, skin and clothing.

Keep away from heat, sparks, flames and ignition sources.

Observe all the personal protection requirements in Section 8.

- **Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Provide ventilation for receptacles.

Keep stored in accordance with local, regional, national, and international regulations.

8 Exposure controls/personal protection

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

15625-89-5 1,1,1-trimethylolpropane triacrylate

| | |
|------|--|
| WEEL | Long-term value: 1 mg/m ³ Skin |
|------|--|

65997-17-3 Fibrous Glass

| | |
|-----------|---|
| ACGIH TLV | Long-term value: 10 mg/m ³ |
| OSHA PEL | Long-term value: 15 mg/m ³ Total dust |

13560-89-9 Bis(hexachlorocyclopentadieno)

| | |
|-----|--|
| TWA | Short-term value: 1 mg/m ³ MFG recommendation 8 hour TWA |
|-----|--|

1309-64-4 Diantimony trioxide

| | |
|--------|--|
| TEEL-1 | Short-term value: 1.8 mg/m ³ |
| TEEL-2 | Short-term value: 4.0 mg/m ³ |
| TEEL-3 | Short-term value: 59.9 mg/m ³ |

67762-90-7 Siloxanes and Silicones, di-Me, reaction products with silica

| | |
|----------|--|
| OSHA PEL | Short-term value: 15 mg/m ³ |
| US ACGIH | Short-term value: 10 mg/m ³ |

2530-83-8 Glycidylxypropyltrimethoxysilane

| | |
|-------------|---|
| DCC OEL TWA | Short-term value: 0.5 mg/m ³ |
|-------------|---|

75-28-5 isobutane

| | |
|-----|---|
| TLV | Short-term value: 2370 mg/m ³ , 1000 ppm (EX) |
|-----|---|

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7440-38-2 arsenic

| | |
|-----|---|
| PEL | Long-term value: 0.5* 0.01** mg/m ³ as As; *organic**inorg. compds.; 29 CFR 1910.1018 |
| REL | Ceiling limit value: 0.002 mg/m ³ as As; 15min; See Pocket Guide App. A |
| TLV | Long-term value: 0.01 mg/m ³ as As; BEI |

· **Ingredients with biological limit values:**

7440-38-2 arsenic

| | |
|-----|---|
| BEI | 35 µg As/L Medium: urine Time: end of workweek Parameter: Inorganic arsenic plus methylated metabolites (background) |
|-----|---|

· **Additional Occupational Exposure Limit Values for possible hazards during processing:** None.

· **Exposure controls**

If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

If exposure limits have not been established, maintain airborne levels to an acceptable level.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

- Be sure to clean skin thoroughly after work and before breaks.
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Store protective clothing separately.
- Avoid contact with the eyes and skin.

· **Personal Protective Equipment (PPE)**

· **Breathing equipment:**

Sufficient ventilation in pattern and volume should be provided in order to maintain air contaminant levels below recommended exposure limits.

Use a NIOSH approved air-purifying organic vapor respirator if occupational limits are exceeded. For emergency situations, confined space use, or other conditions where exposure limits may be greatly exceeded, use an approved air supplied respirator. Observe OSHA regulations (29CFR 1910.134) for respirator use.

· **Protection of hands:**

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

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**



Chemical resistant gloves

· **Eye protection:**



Safety Glasses with side shields

· **Body protection:** Appropriate chemical resistant clothing.

· **Limitation and supervision of exposure into the environment**

The Engineering measures or controls, and PPE recommendations are only guidelines and may not apply to every situation. For additional information, please consult the corresponding requirements under OSHA 29 CFR 1910.94-95, and 29 CFR 1910.132-138.

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

- **Form:** Pasty
- **Color:** Orange
- **Odor:** Mild
- **Odor threshold:** Not determined.

· **pH-value:** Not determined.

· **Change in condition**

- **Melting point/Melting range:** Undetermined.
- **Boiling point/Boiling range:** Undetermined.

· **Flash point:** >93 °C (>199 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** Not determined.

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

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| | |
|---|--|
| · Explosion limits: | |
| · Lower: | Not determined. |
| · Upper: | Not determined. |
| · Vapor pressure: | Not determined. |
| · Vapor Density: | not determined |
| · Density at 20 °C (68 °F): | 0.59 g/cm ³ (4.924 lbs/gal) |
| · Relative density | Not determined. |
| · Vapor 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: | Not determined. |
| · Kinematic: | Not determined. |
| · Solvent content: | |
| · Organic solvents: | not determined |
| · VOC content: | not determined |
| | not determined |
| · Solids content: | 31.7 % |

10 Stability and reactivity

- **Reactivity** Not a regulated physical hazard under GHS.
- **Hazardous Reactivity and Chemical Stability** May polymerize during high temperatures.
- **Thermal decomposition / conditions to be avoided:**
To avoid thermal decomposition do not overheat.
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions** Reacts with alcohols.
- **Conditions to avoid** Keep away from heat, sparks, flame and any other ignition sources.
- **Incompatible materials:**
Oxidizing agents
Acids
Bases (Alkalis)
inert gases, free radical initiators, oxygen scavengers.
- **Hazardous decomposition products:**
Possible in traces.
Refer to section 5.
- **Additional information:**
As long as the prescribed application concentrations are maintained there is no danger that stable emulsions will form.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
While not possible to classify the acute oral hazard due to missing data, the product may cause the following symptom(s):
nausea
vomiting
headache
dizziness
See acute inhalative effect(s) for further information

28064-14-4 Phenol, polymer with formaldehyde, glycidyl ether

| | | |
|------------|----------|---|
| Oral | LD50 | > 5000 mg/kg (rat) Reference: Huntsman (M)SDS (2003). |
| Dermal | LD50 | > 6000 mg/kg (rabbit) Reference: Huntsman (M)SDS (2003). |
| Inhalative | LC50/4 h | (Test species: n/a) (Toxicity not expected based on acute oral data) Based on the acute oral toxicity test, it was expected that toxicity to mammals via inhalation of the substance was not a significant concern and resulted in a similar lack of acute toxicity. Thus, the substance was not classified as an acute inhalation hazard. |

15625-89-5 1,1,1-trimethylolpropane triacrylate

| | | |
|------------|----------|--|
| Oral | LD50 | 5700 mg/kg (rat) (Calculated from 5.19 mL/kg) Reference: ChemID Full Record (2011). |
| Dermal | LD50 | 2500 mg/kg (mouse) Reference: HSNO CCID (2011). |
| Inhalative | LC50/4 h | (Test species: n/a) (None or low toxicity based on the acute oral data) |

31452-80-9 Dibromoneopentyl glycol, chloromethyloxirane polymer

| | | |
|------------|----------|---------------------|
| Oral | LD50 | (No data available) |
| Dermal | LD50 | (No data available) |
| Inhalative | LC50/4 h | (No data available) |

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65997-17-3 Fibrous Glass

| | | |
|------------|----------|--|
| Oral | LD50 | 2000-5000 mg/kg LD50 estimated to be between 2000-5000 mg/kg. Reference: Vendor SDS 2015 |
| Dermal | LD50 | >5000 mg/kg LD50 estimated to be >5000 mg/kg Reference: Vendor SDS 2015 |
| Inhalative | LC50/4 h | (mouse) LD > 20 mg/kg Exposure time unknown. Reference: ChemID (2010). |

13560-89-9 Bis(hexachlorocyclopentadieno)

| | | |
|------------|----------|---|
| Oral | LD50 | > 25000 mg/kg (rat) Reference: EPA HPVIS (2011). |
| Dermal | LD50 | > 8000 mg/kg (rabbit) No mortality was observed; the substance was not classified as an acute oral hazard. Reference: EPA HPVIS (2011). |
| Inhalative | LC50/4 h | > 2.25 mg/l (rat) No mortality or any adverse effects were observed; classification was not possible. Reference: ACToR (2011). |

1309-64-4 Diantimony trioxide

| | | |
|------------|----------|--|
| Oral | LD50 | >34600 mg/kg (rat) Reference: Sigma Aldrich SDS 2015 |
| Dermal | LD50 | > 8300 mg/kg (rabbit) Reference: OECD SIAM (2008). |
| Inhalative | LC50/4 h | > 5.2 mg/l (rat) (LC50/4 hrs (nose-only; dusts)) No mortality or abnormality was observed; the substance was not classified as an acute inhalative hazard based on the classification criteria. Reference: OECD SIAM (2008). |

67762-90-7 Siloxanes and Silicones, di-Me, reaction products with silica

| | | |
|------------|----------|--|
| Oral | LD50 | >5000 mg/kg (rat) (test method not specified) |
| Dermal | LD50 | (Test species: n/a) (Toxicity not expected based on acute oral data) |
| Inhalative | LC50/4 h | (Test species: n/a) (Toxicity not expected based on acute oral data) |

- **Specific symptoms in biological assay:**

- No further relevant information available; classification is not possible.
- See acute inhalative effect(s) for further information.

- **Primary irritant effect:**

- cough
- wheezing
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.

- **Sensitization:** Sensitization possible through skin contact.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- **Carcinogenic categories**

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

| | | |
|-----------|--------------------------------------|----|
| 1309-64-4 | Diantimony trioxide | 2B |
| 7631-86-9 | silicon dioxide, chemically prepared | 3 |
| 7440-38-2 | arsenic | 1 |
| 7439-92-1 | lead | 2B |

- **NTP (National Toxicology Program)**

| | | |
|-----------|---------|---|
| 7440-38-2 | arsenic | K |
| 7439-92-1 | lead | R |

- **OSHA-Ca (Occupational Safety & Health Administration)**

| | | |
|-----------|---------|--|
| 7440-38-2 | arsenic | |
|-----------|---------|--|

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:**

- **28064-14-4 Phenol, polymer with formaldehyde, glycidyl ether**

| | |
|------|--|
| EC50 | mildly irrit. mg/kg (rabbit) Based on the manufacturer's (M)SDS, the substance was considered to be a mild dermal irritant. Reference: Huntsman (M)SDS (2003). |
|------|--|

- **15625-89-5 1,1,1-trimethylolpropane triacrylate**

| | |
|------|--|
| EC50 | irritating mg/kg (rabbit) (Skin irritation: 5/8 (Max. 8)) Skin irritation: 5/8 (Max. 8; mean score of all treated animals). The substance was classified as irritating to rabbit skin (Category 2) based on the classification criteria. Reference: Cognis (M)SDS (2007) and IUCLID Dataset (2000). |
|------|--|

- **31452-80-9 Dibromoneopentyl glycol, chloromethyloxirane polymer**

| | |
|------|---------------------|
| EC50 | (No data available) |
|------|---------------------|

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65997-17-3 Fibrous Glass

EC50 The substance in dust form causes skin irritation.
Reference: Haz-Map (2010).

13560-89-9 Bis(hexachlorocyclopentadieno)

EC50 (No data available)

1309-64-4 Diantimony trioxide

EC50 (No data available)

67762-90-7 Siloxanes and Silicones, di-Me, reaction products with silica

EC50 Non-irritating mg/kg (Test species: n/a) (Primary irritation index=0)



- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
 - **Bioaccumulative potential** No data available.
 - **Mobility in soil** No further relevant information available.
- **Additional ecological information:** The product is non-rapid degradable, and low or not highly bioaccumulative.
 - **General notes:**
 - 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.
- **Results of PBT and vPvB assessment**
 - **PBT:** None of the ingredients is listed.
 - **vPvB:** None of the ingredients is listed.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
 - **Recommendation:**
 - Must be specially treated adhering to official regulations.
 - Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
 - **Recommendation:** Dispose of according to your local waste regulations.

14 Transport information

- **UN-Number**
· **DOT, IMDG, IATA** UN3082
- **UN proper shipping name**
· **DOT** Environmentally hazardous substances, liquid, n.o.s. (Epoxy Resin, trimethylolpropane triacrylate)
· **IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin, trimethylolpropane triacrylate), MARINE POLLUTANT
· **IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Epoxy Resin, trimethylolpropane triacrylate)
- **Transport hazard class(es)**
· **DOT, IMDG, IATA**

 - **Class** 9
 - **Label** Miscellaneous dangerous substances and articles 9
- **Packing group**
· **DOT, IMDG, IATA** III
- **Environmental hazards:** Product contains environmentally hazardous substances: arsenic, Epoxy Resin
 - **Marine pollutant:** Yes
Symbol (fish and tree)
 - **Special marking (IATA):** Symbol (fish and tree)
- **Special precautions for user** Warning: Miscellaneous dangerous substances and articles
 - **Danger code (Kemler):** 90
 - **EMS Number:** F-A,S-F
 - **Stowage Category** A
- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.
- **Transport/Additional information:**
 - **DOT**
 - **Remarks:** Special marking with the symbol (fish and tree).

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· IMDG

- Limited quantities (LQ)
- Excepted quantities (EQ)

5L

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (EPOXY RESIN, TRIMETHYLOLPROPANE TRIACRYLATE), 9, III

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.

· SARA Section 313 (Specific toxic chemical listings):

| | | |
|-----------|---------------------|-----------|
| 1309-64-4 | Diantimony trioxide | 5-<10% |
| 7440-38-2 | arsenic | 0-<0.025% |
| 7439-92-1 | lead | 0-<0.025% |

· SARA Section 311/312 (Hazardous Chemical Inventory Reporting)

| | | | |
|------------|--|------------------------------|----------|
| 28064-14-4 | Phenol, polymer with formaldehyde, glycidyl ether | A | 30-40% |
| 15625-89-5 | 1,1,1-trimethylolpropane triacrylate | A, R | 10-20% |
| 31452-80-9 | Dibromoneopentyl glycol, chloromethyloxirane polymer | A | 10-20% |
| 65997-17-3 | Fibrous Glass | Acute Health, Chronic Health | 10-20% |
| 1309-64-4 | Diantimony trioxide | A, C | 5-<10% |
| 25085-99-8 | Bisphenol-A-(epichlorohydrin) epoxy resin | A, C | 0.25-<1% |
| 2530-83-8 | Glycidyoxypropyltrimethoxysilane | A, C | 0.1-<1% |

· Hazard Abbreviations for SARA 311/312

- A - Acute Health Hazard
- C - Chronic Health Hazard
- F - Fire Hazard
- R - Reactive Hazard
- S - Sudden Release of Pressure Hazard

· TSCA (Toxic Substances Control Act):

| | |
|------------|---|
| 28064-14-4 | Phenol, polymer with formaldehyde, glycidyl ether |
| 15625-89-5 | 1,1,1-trimethylolpropane triacrylate |
| 31452-80-9 | Dibromoneopentyl glycol, chloromethyloxirane polymer |
| 65997-17-3 | Fibrous Glass |
| 13560-89-9 | Bis(hexachlorocyclopentadieno) |
| 67762-90-7 | Siloxanes and Silicones, di-Me, reaction products with silica |
| 25214-39-5 | Vinylidene chloride, methyl methacrylate, acrylonitrile polymer |
| 25085-99-8 | Bisphenol-A-(epichlorohydrin) epoxy resin |
| 7631-86-9 | silicon dioxide, chemically prepared |
| 2530-83-8 | Glycidyoxypropyltrimethoxysilane |
| 75-28-5 | isobutane |
| 7440-38-2 | arsenic |
| 7439-92-1 | lead |

· Proposition 65
· Chemicals known to cause cancer:

| | |
|-----------|---------------------|
| 1309-64-4 | Diantimony trioxide |
| 7440-38-2 | arsenic |
| 7439-92-1 | lead |

· Chemicals known to cause reproductive toxicity for females:

| | |
|-----------|------|
| 7439-92-1 | lead |
|-----------|------|

· Chemicals known to cause reproductive toxicity for males:

| | |
|-----------|------|
| 7439-92-1 | lead |
|-----------|------|

· Chemicals known to cause developmental toxicity:

| | |
|-----------|------|
| 7439-92-1 | lead |
|-----------|------|

· Carcinogenic categories
· EPA (Environmental Protection Agency)

| | | |
|-----------|---------|----|
| 7440-38-2 | arsenic | A |
| 7439-92-1 | lead | B2 |

· TLV (Threshold Limit Value established by ACGIH)

| | | |
|-----------|---------------------|----|
| 1309-64-4 | Diantimony trioxide | A2 |
| 7440-38-2 | arsenic | A1 |
| 7439-92-1 | lead | A3 |

(Contd. on page 9)

Safety Data Sheet acc. to OSHA HCS

Printing date 06/01/2017

Reviewed on 06/01/2017

Trade name: EP1287 A

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

7440-38-2 arsenic

 · **International Regulation Lists**

 · **Chinese Chemical Inventory of Existing Chemical Substances:**

All ingredients are listed.

 · **GHS label elements** GHS label elements

 · **National regulations:**

 · **Japanese Existing and New Chemical Substance List:**

| | |
|------------|---|
| 28064-14-4 | Phenol, polymer with formaldehyde, glycidyl ether |
| 15625-89-5 | 1,1,1-trimethylolpropane triacrylate |
| 31452-80-9 | Dibromoneopentyl glycol, chloromethyloxirane polymer |
| 13560-89-9 | Bis(hexachlorocyclopentadieno) |
| 1309-64-4 | Diantimony trioxide |
| 67762-90-7 | Siloxanes and Silicones, di-Me, reaction products with silica |
| 25214-39-5 | Vinylidene chloride, methyl methacrylate, acrylonitrile polymer |
| 25085-99-8 | Bisphenol-A-(epichlorohydrin) epoxy resin |
| 7631-86-9 | silicon dioxide, chemically prepared |
| 2530-83-8 | Glycidyloxypropyltrimethoxysilane |
| 75-28-5 | isobutane |
| 7440-38-2 | arsenic |
| 7439-92-1 | lead |

 · **Korean Existing Chemical Inventory:**

All ingredients are listed.

 · **European Pre-registered substances:**

All ingredients are listed.

 · **REACH - Substances of Very High Concern (SVHC) List:**

None of the ingredients is listed.

 · **Restriction of Hazardous Substances Directive (RoHS) list:**

None of the ingredients is listed.

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

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department Issuing (M)SDS:** Product Development Department
- **Contact:** msds@resinlab.com
- **Date of preparation / last revision** 06/01/2017 / 5
- *** Data compared to the previous version altered.**

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