ESD-125WR GP-A
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 02/01/2016

SECTION 1: Identification

1.1. Identification
Product form: Mixture
Product name: ESD-125WR GP-A
Product code: ESD-125WR GP-A
Other means of identification: ESD-125WR GP-A/HG

1.2. Relevant identified uses of the substance or mixture and uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet
Protective Industrial Polymers
7875 Bliss Parkway
North Ridgeville, Ohio 44039 - USA-Ohio
T 440-327-0015
www.protectpoly.com

1.4. Emergency telephone number
Emergency number: Chemtrec: 800-427-9300 (Outside USA) 703-527-3887

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture
GHS-US classification
Skin corrosion/irritation, Category 2 H315
Sensitisation — Skin, Category 1 H317
Full text of H statements: see section 16

2.2. Label elements
GHS-US labelling
Hazard pictograms (GHS-US): !

Signal word (GHS-US): Warning
Contains: (Phenol, 4,4'-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane); Alkyl (C12-C14) Glycidyl Ether

Hazard statements (GHS-US):
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction

Precautionary statements (GHS-US):
P261 - Avoid breathing vapours
P264 - Wash hands thoroughly after handling
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear protective clothing
P302+P352 - If on skin: Wash with plenty of soap
P321 - Specific treatment (see a doctor if symptoms do not go away. on this label)
P332+P313 - If skin irritation occurs: Get medical advice/attention
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P362+P364 - Take off contaminated clothing and wash it before reuse
P363 - Wash contaminated clothing before reuse
P501 - Dispose of contents/container to in accordance with local regulations

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS US)
Not applicable
SECTION 3: Composition/information on ingredients

3.1. Substance
Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Phenol, 4,4’-(1-methyl-ethylidene)bis-, polymer with (chloromethyl)oxirane)</td>
<td>(CAS No) 25068-38-6</td>
<td>85 - 95</td>
<td>Skin Irr. 2, H315&lt;br&gt;Skin Sens. 1, H317&lt;br&gt;Aquatic Chronic 2, H411</td>
</tr>
<tr>
<td>Alkyl (C12-C14) Glycidyl Ether</td>
<td>(CAS No) 68609-97-2</td>
<td>10 - 20</td>
<td>Skin Irr. 2, H315&lt;br&gt;Skin Sens. 1, H317</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact: Rinse eyes with water as a precaution.
First-aid measures after ingestion: Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after skin contact: Irritation. May cause an allergic skin reaction.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol resistant foam, water, water fog, CO2, dry chemical, dry sand, limestone powder.

5.2. Special hazards arising from the substance or mixture

Fire hazard: No fire hazard.
Explosion hazard: No direct explosion hazard.
Reactivity: Stable under normal conditions.

5.3. Advice for firefighters

Firefighting instructions: Eliminate all ignition sources if safe to do so. Exercise caution when fighting any chemical fire.
Protection during firefighting: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
No additional information available

6.1.2. For emergency responders
Protective equipment: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: “Exposure controls/personal protection”.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment: Dam up the liquid spill. Contain released substance, pump into suitable containers.
Methods for cleaning up: Take up liquid spill into absorbent material.
Other information: Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.
ESD-125WR GP-A
Safety Data Sheet
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SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing vapours.

Hygiene measures: Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities
Storage conditions: Store in a well-ventilated place. Keep cool.
Incompatible materials: No known incompatible materials.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| (Phenol, 4,4’-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane) (25068-38-6) |
| Not applicable |

| Alkyl (C12-C14) Glycidyl Ether (68609-97-2) |
| Not applicable |

8.2. Exposure controls
Appropriate engineering controls: Ensure good ventilation of the work station.
Hand protection: protective gloves.
Eye protection: Safety glasses.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.
Environmental exposure controls: Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state: Liquid
Colour: clear Colourless
Odour: slight Sweet odour
Odour threshold: No data available
pH: No data available
Melting point: No data available
Freezing point: No data available
Boiling point: ≈ 260 °C
Flash point: ≈ 251 °C
Relative evaporation rate (butylacetate=1): No data available
Flammability (solid, gas): No data available
Explosive limits: No data available
Explosive properties: No data available
Oxidising properties: No data available
Vapour pressure: No data available
Relative density: No data available
Relative vapour density at 20 °C: No data available
Solubility: Water: Solubility in water of component(s) of the mixture:
• (Phenol, 4,4’-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane): mg/l (insoluble) 5.4-8.4
Log Pow: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available

### 9.2. Other information
No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity
Stable under normal conditions.

#### 10.2. Chemical stability
Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions
Will not occur.

#### 10.4. Conditions to avoid
No Data Available.

#### 10.5. Incompatible materials
No additional information available

#### 10.6. Hazardous decomposition products
Irritant gases. Carbon dioxide. Carbon monoxide.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity</td>
<td>Not classified (Based on available data, the classification criteria are not met)</td>
</tr>
<tr>
<td>(Phenol, 4,4’-(1-methylenebisl)(polymer with (chloromethyl)oxirane) (25068-38-6))</td>
<td></td>
</tr>
<tr>
<td>LD50 oral rat</td>
<td>&gt; 2000 mg/kg (Rat; OECD 420: Acute Oral toxicity – Acute Toxic Class Method; Experimental value)</td>
</tr>
<tr>
<td>LD50 dermal rat</td>
<td>&gt; 2000 mg/kg (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)</td>
</tr>
</tbody>
</table>

- Skin corrosion/irritation: Causes skin irritation.
- Acute toxicity: Not classified
- LD50 oral rat: > 2000 mg/kg (Rat; OECD 420: Acute Oral toxicity – Acute Toxic Class Method; Experimental value)
- LD50 dermal rat: > 2000 mg/kg (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)
- Respiratory or skin sensitisation: May cause an allergic skin reaction.
- Germ cell mutagenicity: Not classified
- Carcinogenicity: Not classified
- Reproductive toxicity: Not classified
- Specific target organ toxicity (single exposure): Not classified
- Specific target organ toxicity (repeated exposure): Not classified
- Aspiration hazard: Not classified
- Symptoms/injuries after skin contact: Irritation. May cause an allergic skin reaction.

### SECTION 12: Ecological information

#### 12.1. Toxicity
Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
12.2. Persistence and degradability

| (Phenol, 4,4’-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane) (25068-38-6) |
|----------------------------------|----------------------------------|
| LC50 fish 2                      | 2.3 mg/l (LC50; OECD 203: Fish, Acute Toxicity Test; 96 h; Oncorhynchus mykiss; Semi-static system; Fresh water; Experimental value) |
| EC50 Daphnia 2                   | 1.1 - 2.8 mg/l (EC50; Equivalent or similar to OECD 202; 48 h; Daphnia magna; Static system; Fresh water; Experimental value) |

12.3. Bioaccumulative potential

| (Phenol, 4,4’-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane) (25068-38-6) |
|----------------------------------|----------------------------------|
| BCF other aquatic organisms 1    | 3 - 31 (BCF)                     |
| Log Pow                          | >= 2.918 (Experimental value; EU Method A.8: Partition Coefficient; 25 °C) |
| Bioaccumulative potential        | Low potential for bioaccumulation (BCF < 500). |

12.4. Mobility in soil

| (Phenol, 4,4’-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane) (25068-38-6) |
|----------------------------------|----------------------------------|
| Surface tension                  | 0.0 587-0.0589,20 °C             |
| Log Koc                          | log Koc, SRC PCKOCWIN v2.0; 2.65; QSAR |

12.5. Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| Waste treatment methods          | Contain and dispose of waste according to local regulations. |
| Waste disposal recommendations   | Dispose of contents/container to .. |

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated for transport

TDG

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

15.1. US Federal regulations

| ESD-125WR GP-A                      | Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| (Phenol, 4,4’-(1-methylethylidene)bis-, polymer with (chloromethyl)oxirane) (25068-38-6) | Listed on the United States TSCA (Toxic Substances Control Act) inventory |
| Alkyl (C12-C14) Glycidyl Ether (68609-97-2) | Listed on the United States TSCA (Toxic Substances Control Act) inventory |

15.2. International regulations

CANADA

No additional information available
SECTION 16: Other information

Other information:

Disclaimer: This SDS to the best of our knowledge conforms to the requirements of OSHA 20 CFR 1910.1200 and summarizes the health and safety hazard information and general guidance on how to safely handle the material at the date of issue. Each user must review the SDS in the context of how the product will be handled and used in the workplace.

Full text of H-statements:

<table>
<thead>
<tr>
<th>H</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H315</td>
<td>Causes skin irritation</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H411</td>
<td>Toxic to aquatic life with long lasting effects</td>
</tr>
</tbody>
</table>

HMIS III Rating

Health: 2 Moderate Hazard - Temporary or minor injury may occur

Flammability: 1 Slight Hazard - Materials that must be preheated before ignition will occur. Includes liquids, solids and semi solids having a flash point above 200 F. (Class IIIb)

Physical: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.