1 Identification

· **Product identifier**
  · **Trade name:** 950 PMMA Series Resists in Chlorobenzene
  · **Product number:** 950C1, 950C2, 950C3, 950C4, 950C4.5, 950C5, 950C6, 950C6.5, 950C7, 950C7.5, 950C8, 950C9, 950C10, 950C11, 950C12, 950C15
  · **Application of the substance / the mixture** Photoresist

· **Details of the supplier of the safety data sheet**
  · **Manufacturer/Supplier:** Kayaku Advanced Materials
    200 Flanders Road
    Westborough, MA 01581
    Tel: (617) 965-5511
    Fax: (617) 965-5818
  · **Information department:**
    Product Safety
    Email: productsafety@kayakuAM.com
  · **Emergency telephone number:**
    Kayaku Advanced Materials: 617-965-5511
    Chemtrec USA Emergency: 800-424-9300
    Chemtrec International Emergency: 703-527-3887

2 Hazard(s) identification

· **Classification of the substance or mixture**
  · **GHS02 Flame**
    Flamm. Liq. 3 H226 Flammable liquid and vapor.
  · **GHS08 Health hazard**
    STOT RE 1 H372 Causes damage to organs through prolonged or repeated exposure.
  · **GHS09 Environment**
    Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.
  · **GHS07**
    Acute Tox. 4 H302 Harmful if swallowed.
    Acute Tox. 4 H332 Harmful if inhaled.
    Skin Irrit. 2 H315 Causes skin irritation.
    STOT SE 3 H336 May cause drowsiness or dizziness.

· **Label elements**
  · **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
Trade name: 950 PMMA Series Resists in Chlorobenzene

- **Hazard pictograms**

  ![GHS02](image) ![GHS07](image) ![GHS08](image) ![GHS09](image)

- **Signal word** Danger

- **Hazard-determining components of labeling:**
  Chlorobenzene

- **Hazard statements**
  H226 Flammable liquid and vapor.
  H302+H332 Harmful if swallowed or if inhaled.
  H315 Causes skin irritation.
  H336 May cause drowsiness or dizziness.
  H372 Causes damage to organs through prolonged or repeated exposure.
  H411 Toxic to aquatic life with long lasting effects.

- **Precautionary statements**
  P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
  P261 Avoid breathing dust/fume/gas/mist/vapors/spray
  P273 Avoid release to the environment.
  P280 Wear protective gloves/protective clothing/eye protection/face protection.
  P301+P310 If swallowed: Immediately call a poison center/doctor.
  P302+P352 If on skin: Wash with plenty of soap and water.
  P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
  P337+P313 If eye irritation persists: Get medical advice/attention.
  P370+P378 In case of fire: Use for extinction: Alcohol resistant foam.
  P370+P378 In case of fire: Use for extinction: Fire-extinguishing powder.
  P370+P378 In case of fire: Use for extinction: Carbon dioxide.
  P403+P235 Store in a well-ventilated place. Keep cool.
  P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Classification system:**

- **NFPA ratings (scale 0 - 4)**

  ![NFPA Ratings](image)
  Health = 1  Fire = 3  Reactivity = 0

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

  ![HMIS Ratings](image)
  Health = 1  Fire = 3  Reactivity = 0

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
Trade name: 950 PMMA Series Resists in Chlorobenzene

vPvB: Not applicable.

3 Composition/information on ingredients

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

Dangerous components:

- 108-90-7 Chlorobenzene 85-100%
  - Flam. Liq. 3, H226;
  - STOT RE 1, H372;
  - Aquatic Chronic 2, H411;
  - Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H336

Additional Components:

- 9011-14-7 Poly(methyl methacrylate) 1-15%

4 First-aid measures

Description of first aid measures
General information:
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
Immediately remove any clothing soiled by the product.

After inhalation:
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

After skin contact:
Immediately wash with water and soap and rinse thoroughly.

After eye contact:
Wash eyes immediately with a large amount of water or normal saline, occasionally lifting upper and lower eye lids until no evidence of chemical remains (about 20 minutes). Remove contact lenses if present and easy to remove. Seek immediate medical attention.

After swallowing:
Do not induce vomiting unless instructed to do so by a physician. Wash out mouth with water and keep person at rest. Seek immediate medical attention.

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: Treat symptomatically.

5 Fire-fighting measures

Extinguishing media

- Suitable extinguishing agents:
  - Alcohol resistant foam
  - Fire-extinguishing powder
  - Carbon dioxide

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards arising from the substance or mixture
Containers may explode due to pressure increase when container is exposed to extreme heat. Vapors may travel a considerable distance to a source of ignition and flash back along vapor trail.
In case of fire, the following can be released:
- Hydrogen chloride (HCl)
- Phosgene gas
Trade name: 950 PMMA Series Resists in Chlorobenzene

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
  Ensure adequate ventilation
  Keep away from ignition sources
  Wear protective equipment. Keep unprotected persons away.
- Environmental precautions:
  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 material for containment and cleaning up:
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Ensure adequate ventilation.
  Do not flush with water or aqueous cleansing agents
- Reference to other sections
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.
  See Section 13 for disposal information.

7 Handling and storage

- Handling:
  - Precautions for safe handling
    Ensure good ventilation/exhaust at the workplace.
    Prevent formation of aerosols.
  - Information about protection against explosions and fires:
    Use explosion-proof apparatus / fittings and spark-proof tools.
    Keep ignition sources away - Do not smoke.
    Protect against electrostatic charges.
- Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and containers: No special requirements.
  - Information about storage in one common storage facility:
    Do not store together with alkalis (caustic solutions).
    Do not store together with oxidizing and acidic materials.
- Further information about storage conditions:
  - Keep container well-sealed in cool, dry location.
  - Protect from heat and direct sunlight.
  - Store receptacle in a well ventilated area.
  - Store in a cool place. Heat will increase pressure and may lead to the receptacle bursting.
- Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

- Additional information about design of technical systems: No further data; see item 7.
Trade name: 950 PMMA Series Resists in Chlorobenzene

· Control parameters

· Components with limit values that require monitoring at the workplace:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Description</th>
<th>PEL</th>
<th>TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-90-7</td>
<td>Chlorobenzene</td>
<td>350 mg/m³, 75 ppm</td>
<td>46 mg/m³, 10 ppm</td>
</tr>
</tbody>
</table>

· Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>CAS Number</th>
<th>Description</th>
<th>BEI</th>
<th>Medium</th>
<th>Time</th>
<th>Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-90-7</td>
<td>Chlorobenzene</td>
<td>100 mg/g creatinine</td>
<td>urine</td>
<td>end of shift at end of workweek</td>
<td>Parameter: 4-Chlorocatechol with hydrolysis (nonspecific)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20 mg/g creatinine</td>
<td>urine</td>
<td>end of shift at end of workweek</td>
<td>Parameter: p-Chlorophenol with hydrolysis (nonspecific)</td>
</tr>
</tbody>
</table>

· Additional information: The lists that were valid during the creation were used as basis.

· Exposure controls
· Personal protective equipment:
· General protective and hygienic measures:
  Keep away from food and beverages. Wash hands before breaks and at the end of work.
· Respiratory equipment:
  In case of low exposure, use cartridge respirator. In case of intensive or longer exposure, use SCBA.
· Protection of hands:

  Protective gloves

  The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
· Material of gloves: Nitrile rubber, NBR
· Penetration time of glove material: Contact glove manufacturer for break-through time.
· Eye protection:

  Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties
  · General Information
  · Appearance:
    Form: Fluid
    Color: Clear to light yellow
    Odor: Ethereal
    Odor threshold: Not determined.
### pH-value:
Not determined.

<table>
<thead>
<tr>
<th>Change in condition</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point/Melting range:</td>
<td>Undetermined.</td>
</tr>
<tr>
<td>Boiling point/Boiling range:</td>
<td>132 °C (269.6 °F)</td>
</tr>
</tbody>
</table>

| Flash point: | 28 °C (82.4 °F) |
| Flammability (solid, gaseous): | Not applicable. |
| Ignition temperature: | 590 °C (1,094 °F) |
| Decomposition temperature: | Not determined. |
| Auto igniting: | Product is not selfigniting. |

**Danger of explosion:**
Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

<table>
<thead>
<tr>
<th>Explosion limits:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower: 1.3 Vol %</td>
<td></td>
</tr>
<tr>
<td>Upper: 11.0 Vol %</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vapor pressure at 20 °C (68 °F):</th>
<th>12 hPa (9 mm Hg)</th>
</tr>
</thead>
</table>

**Density:**
Not determined.

<table>
<thead>
<tr>
<th>Relative density</th>
<th>See Table 1 Other Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor density</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

**Solubility in / Miscibility with**
Water: Water miscible No

**Partition coefficient (n-octanol/water):** Not determined.

| Viscosity: |  |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |

| Solvent content: |  |
| Organic solvents: | 0.0 % |

(Contd. on page 7)
Trade name: 950 PMMA Series Resists in Chlorobenzene

Solids content: 6.0%

Other information

Table 1. Product specific gravity and VOC data.

<table>
<thead>
<tr>
<th>Name</th>
<th>Number</th>
<th>Sp.Grav.</th>
<th>Vol.(%by wt.)</th>
<th>VOC (g/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>950C1</td>
<td>M240001</td>
<td>1.106</td>
<td>99</td>
<td>1095</td>
</tr>
<tr>
<td>950C2</td>
<td>M240002</td>
<td>1.107</td>
<td>98</td>
<td>1085</td>
</tr>
<tr>
<td>950C3</td>
<td>M240003</td>
<td>1.108</td>
<td>97</td>
<td>1075</td>
</tr>
<tr>
<td>950C4</td>
<td>M240004</td>
<td>1.109</td>
<td>96</td>
<td>1065</td>
</tr>
<tr>
<td>950C4.5</td>
<td>M240504</td>
<td>1.109</td>
<td>95.5</td>
<td>1060</td>
</tr>
<tr>
<td>950C5</td>
<td>M240005</td>
<td>1.110</td>
<td>95</td>
<td>1055</td>
</tr>
<tr>
<td>950C6</td>
<td>M240006</td>
<td>1.111</td>
<td>94</td>
<td>1045</td>
</tr>
<tr>
<td>950C6.5</td>
<td>M240506</td>
<td>1.112</td>
<td>93.5</td>
<td>1040</td>
</tr>
<tr>
<td>950C7</td>
<td>M240007</td>
<td>1.113</td>
<td>93</td>
<td>1035</td>
</tr>
<tr>
<td>950C7.5</td>
<td>M240507</td>
<td>1.113</td>
<td>92.5</td>
<td>1030</td>
</tr>
<tr>
<td>950C8</td>
<td>M240008</td>
<td>1.114</td>
<td>92</td>
<td>1025</td>
</tr>
<tr>
<td>950C9</td>
<td>M240009</td>
<td>1.115</td>
<td>91</td>
<td>1015</td>
</tr>
<tr>
<td>950C10</td>
<td>M240010</td>
<td>1.115</td>
<td>90</td>
<td>1005</td>
</tr>
<tr>
<td>950C11</td>
<td>M240011</td>
<td>1.116</td>
<td>89</td>
<td>995</td>
</tr>
<tr>
<td>950C12</td>
<td>M240012</td>
<td>1.117</td>
<td>88</td>
<td>985</td>
</tr>
<tr>
<td>950C15</td>
<td>M240015</td>
<td>1.120</td>
<td>85</td>
<td>950</td>
</tr>
</tbody>
</table>

10 Stability and reactivity

- Reactivity: No further relevant information available.
- Chemical stability: Stable
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid:
  Heat, flames and sparks. Extremes of temperature and direct sunlight.
  Contact with incompatible materials.
- Incompatible materials: Strong Oxidizing Agents, Strong Acids, Strong Bases
- Hazardous decomposition products:
  Carbon monoxide and carbon dioxide
  Hydrogen chloride (HCl)
  Possible traces of Phosgene

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
  - LD/LC50 values that are relevant for classification:

  108-90-7 Chlorobenzene

  | Oral    | LD50   | 1110 mg/kg (Rat) |
  | Dermal  | LD50   | >7940 mg/kg (rabbit) |
  | Inhalative | LC50   | 13.9 mg/L (Rat) |

- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: No irritating effect.
Trade name: 950 PMMA Series Resists in Chlorobenzene

- Sensitization: No sensitizing effects known.
- Experience with humans: No further relevant information available.
- Additional toxicological information:
  The product shows the following dangers according to internally approved calculation methods for preparations: Harmful

- Carcinogenic categories

<table>
<thead>
<tr>
<th>IARC (International Agency for Research on Cancer)</th>
<th>Poly(methyl methacrylate)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9011-14-7</td>
<td>3</td>
</tr>
<tr>
<td>NTP (National Toxicology Program)</td>
<td>None of the ingredients are listed.</td>
</tr>
<tr>
<td>OSHA-Ca (Occupational Safety &amp; Health Administration)</td>
<td>None of the ingredients are listed.</td>
</tr>
</tbody>
</table>

12 Ecological information

- Toxicity

- Aquatic toxicity:

<table>
<thead>
<tr>
<th>108-90-7 Chlorobenzene</th>
<th>4.30-16.00 mg/l (daphnia magna)</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC50/24 h</td>
<td>4.30-16.00 mg/l (daphnia magna)</td>
</tr>
<tr>
<td>EC50/96 hr</td>
<td>12.5 mg/l (algae)</td>
</tr>
<tr>
<td>LC50/48 h</td>
<td>0.03-28 mg/l (golden orfe)</td>
</tr>
<tr>
<td>LC50/76 h</td>
<td>4.5-7.4 mg/l (Lepomis macrochirus (Bluegill))</td>
</tr>
</tbody>
</table>

- Persistence and degradability: Expected to biodegrade
- Behavior in environmental systems:
- Bioaccumulative potential: Not expected to bioaccumulate.
- Mobility in soil: No further relevant information available.
- Ecotoxical effects:
- Remark: Toxic for fish
- Additional ecological information:
- General notes:
  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.
  Also poisonous for fish and plankton in water bodies.
  Toxic for aquatic organisms
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects: No further relevant information available.

13 Disposal considerations

- Waste treatment methods
- Recommendation:
  Must not be disposed of as regular garbage/trash. Do not allow product to reach sewage system.
### 14 Transport information

| · UN-Number | DOT, ADR, IMDG, IATA | UN1866 |
| · UN proper shipping name | DOT, ADR | Resin solution |
| · IMDG | RESIN SOLUTION (CHLOROBENZENE), MARINE POLLUTANT |
| · IATA | RESIN SOLUTION |

#### · Transport hazard class(es)

| · DOT |
| · Class | 3 Flammable liquids |
| · Label | 3 |

#### · ADR, IMDG, IATA

| · Class | 3 Flammable liquids |
| · Label | 3 |

#### · Packing group

| · DOT, ADR, IMDG, IATA | III |

#### · Environmental hazards:

| Product contains environmentally hazardous substances: Chlorobenzene |

#### · Marine pollutant:

| Yes |

#### · Special precautions for user

| Warning: Flammable liquids |
| 30 |

#### · Danger code (Kemler):

| F-E,S-D |

#### · EMS Number:

| Liquid halogenated hydrocarbons |

#### · Segregation groups

| Liquid halogenated hydrocarbons |

#### · Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

| Not applicable. |

#### · UN "Model Regulation":

| UN1866, Resin solution, 3, 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 are listed.
    - Section 313 (Specific toxic chemical listings):
      108-90-7 Chlorobenzene
    - TSCA (Toxic Substances Control Act):
      One or more of the components of this formulation is (are) not in compliance with TSCA.
      All ingredients are listed or comply with TSCA regulations.
    - Proposition 65
      - Chemicals known to cause cancer:
        None of the ingredients are listed.
      - Chemicals known to cause reproductive toxicity for females:
        None of the ingredients are listed.
      - Chemicals known to cause reproductive toxicity for males:
        None of the ingredients are listed.
      - Chemicals known to cause developmental toxicity:
        None of the ingredients are listed.
    - Carcinogenic categories
      - EPA (Environmental Protection Agency)
        108-90-7 Chlorobenzene
        D
      - TLV (Threshold Limit Value established by ACGIH)
        108-90-7 Chlorobenzene
        A3
      - NIOSH-Ca (National Institute for Occupational Safety and Health)
        None of the ingredients are listed.
      - Massachusetts State Right To Know List
        108-90-7 Chlorobenzene
      - New Jersey State Right To Know List
        108-90-7 Chlorobenzene
      - Pennsylvania Hazardous Substances List
        108-90-7 Chlorobenzene
    - California SCAQMD Rule 443.1 VOC's: See Table 1 - Section 9
    - GHS label elements
      The product is classified and labeled according to the Globally Harmonized System (GHS).
      Hazard pictograms
      ![GHS02]  ![GHS07]  ![GHS08]  ![GHS09]
      - Signal word
        Danger
      - Hazard-determining components of labeling:
        Chlorobenzene

(Contd. on page 11)
Trade name: 950 PMMA Series Resists in Chlorobenzene

· **Hazard statements**
  
  H226 Flammable liquid and vapor.
  H302+H332 Harmful if swallowed or if inhaled.
  H315 Causes skin irritation.
  H336 May cause drowsiness or dizziness.
  H372 Causes damage to organs through prolonged or repeated exposure.
  H411 Toxic to aquatic life with long lasting effects.

· **Precautionary statements**

  P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
  P261 Avoid breathing dust/fume/gas/mist/vapors/spray
  P273 Avoid release to the environment.
  P280 Wear protective gloves/protective clothing/eye protection/face protection.
  P301+P310 If swallowed: Immediately call a poison center/doctor.
  P302+P352 If on skin: Wash with plenty of soap and water.
  P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
  P305+P331+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
  P337+P313 If eye irritation persists: Get medical advice/attention.
  P370+P378 In case of fire: Use for extinction: Alcohol resistant foam.
  P370+P378 In case of fire: Use for extinction: Fire-extinguishing powder.
  P370+P378 In case of fire: Use for extinction: Carbon dioxide.
  P403+P235 Store in a well-ventilated place. Keep cool.
  P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **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 SDS:** Product safety department
· **Contact:** Tom Cole, EHS Manager (tcole@kayakuAM)

· **Revision History:**
The manufacturer's information in Section 1, the product hazard information in Section 2 and the component hazard information in Section 3 have been updated.

· **Date of preparation / last revision** 08/14/2019 / 2

· **Abbreviations and acronyms:**
  
  RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  ICAO: International Civil Aviation Organisation
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  IMDG: International Maritime Code for Dangerous Goods
  DOT: US Department of Transportation
  IATA: International Air Transport Association
  ACGIH: American Conference of Governmental Industrial Hygienists
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  NFPA: National Fire Protection Association (USA)
  HMIS: Hazardous Materials Identification System (USA)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  PBT: Persistent, Bioaccumulative and Toxic

(Contd. on page 12)
### Trade name: 950 PMMA Series Resists in Chlorobenzene

<table>
<thead>
<tr>
<th>Term</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>vPvB</td>
<td>very Persistent and very Bioaccumulative</td>
</tr>
<tr>
<td>NIOSH</td>
<td>National Institute for Occupational Safety</td>
</tr>
<tr>
<td>OSHA</td>
<td>Occupational Safety &amp; Health</td>
</tr>
<tr>
<td>TLV</td>
<td>Threshold Limit Value</td>
</tr>
<tr>
<td>PEL</td>
<td>Permissible Exposure Limit</td>
</tr>
<tr>
<td>REL</td>
<td>Recommended Exposure Limit</td>
</tr>
<tr>
<td>BEI</td>
<td>Biological Exposure Limit</td>
</tr>
<tr>
<td>Flam. Liq. 3</td>
<td>Flammable liquids – Category 3</td>
</tr>
<tr>
<td>Acute Tox. 4</td>
<td>Acute toxicity – Category 4</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation – Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity (single exposure) – Category 3</td>
</tr>
<tr>
<td>STOT RE 1</td>
<td>Specific target organ toxicity (repeated exposure) – Category 1</td>
</tr>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment - long-term aquatic hazard – Category 2</td>
</tr>
</tbody>
</table>