1 Identification of the substance/mixture and of the company/undertaking

- Product identifier
  - Trade name: Semi-Volatiles Mixture 3
  - Part number: SVM-122-1
  - Relevant identified uses of the substance or mixture and uses advised against
    No further relevant information available.
- Application of the substance / the mixture
  Laboratory chemicals
- Details of the supplier of the safety data sheet
  - Manufacturer/Supplier:
    ULTRA Scientific, inc.
    250 Smith Street
    North Kingstown, RI 02852
    USA
- Further information obtainable from:
  Telephone: (401) 294-9400
  Fax: (401) 295-2300
  E-mail: regulatory@ultrasci.com
- Emergency telephone number:
  US: (800) 424-9300
  Outside US: (703) 527-3887

2 Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
  - GHS08 health hazard
    Carc. 1B  H350  May cause cancer.
  - GHS07
    Acute Tox. 4  H302  Harmful if swallowed.
    Aquatic Chronic 3  H412  Harmful to aquatic life with long lasting effects.

- Label elements
  - Labelling according to Regulation (EC) No 1272/2008
    The product is classified and labelled according to the CLP regulation.
  - Hazard pictograms
    - GHS07  GHS08

- Signal word Danger

- Hazard-determining components of labelling:
  dichloromethane
  4-chloroaniline
  nitrobenzene
  2,4-xylenol

(Contd. on page 2)
Trade name: Semi-Volatiles Mixture 3

- **Hazard statements**
  H302 Harmful if swallowed.
  H350 May cause cancer.
  H412 Harmful to aquatic life with long lasting effects.

- **Precautionary statements**
  P101 If medical advice is needed, have product container or label at hand.
  P102 Keep out of reach of children.
  P103 Read label before use.
  P280 Wear protective gloves/protective clothing/eye protection/face protection.
  P273 Avoid release to the environment.
  P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
  P308+P313 IF exposed or concerned: Get medical advice/attention.
  P405 Store locked up.
  P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Additional information:**
  Contains chlorocresol, 4-chloroaniline. May produce an allergic reaction.

- **Other hazards**

- **Results of PBT and vPvB assessment**

  - **PBT:**
    - 87-68-3 hexachlorobuta-1,3-diene
    - 120-82-1 1,2,4-trichlorobenzene

  - **vPvB:**
    - 87-68-3 hexachlorobuta-1,3-diene

**3 Composition/information on ingredients**

- **Chemical characterisation:** Mixtures
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**
  
<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS</th>
<th>Chemical name</th>
<th>Hazard Classifications</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-09-2</td>
<td>200-838-9</td>
<td>dichloromethane</td>
<td>Carc. 2; H351</td>
<td>97.286%</td>
</tr>
<tr>
<td>111-91-1</td>
<td>203-920-2</td>
<td>bis(2-chloroethoxy)methane</td>
<td>Acute Tox. 3, H301</td>
<td>0.151%</td>
</tr>
<tr>
<td>59-50-7</td>
<td>200-431-6</td>
<td>chlorocresol</td>
<td>Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Sens. 1, H317</td>
<td>0.151%</td>
</tr>
<tr>
<td>106-47-8</td>
<td>203-401-0</td>
<td>4-chloroaniline</td>
<td>Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Carc. 1B, H350; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317</td>
<td>0.151%</td>
</tr>
<tr>
<td>105-67-9</td>
<td>203-321-6</td>
<td>2,4-xylenol</td>
<td>Acute Tox. 3, H301; Acute Tox. 3, H311; Skin Corr. 1B, H314; Aquatic Chronic 2, H411</td>
<td>0.151%</td>
</tr>
<tr>
<td>122-09-8</td>
<td>204-522-1</td>
<td>alpha,alpha-dimethylphenethylamine</td>
<td>Acute Tox. 3, H301</td>
<td>0.151%</td>
</tr>
</tbody>
</table>

(Contd. on page 3)
### Trade name: Semi-Volatiles Mixture 3

| CAS: 120-83-2 | 2,4-dichlorophenol | 0.151% |
| EINECS: 204-429-6 | Acute Tox. 3, H311; Skin Corr. 1B, H314; Aquatic Chronic 2, H411; Acute Tox. 4, H302 |

| CAS: 87-68-3 | hexachlorobuta-1,3-diene | 0.151% |
| EINECS: 201-765-5 | Acute Tox. 3, H301; Acute Tox. 4, H312 |

| CAS: 100-75-4 | 1-nitrosopiperidine | 0.151% |
| EINECS: 202-886-6 | Acute Tox. 3, H301 |

| CAS: 98-95-3 | nitrobenzene | 0.151% |
| EINECS: 202-716-0 | Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; Carc. 2, H351; Repr. 1B, H360F; STOT RE 1, H372; Aquatic Chronic 3, H412 |

| CAS: 120-82-1 | 1,2,4-trichlorobenzene | 0.151% |
| EINECS: 204-428-0 | Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315 |

| CAS: 91-20-3 | naphthalene | 0.151% |
| EINECS: 202-049-5 | Carc. 2, H351; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H302 |

| CAS: 78-59-1 | 3,5,5-trimethylcyclohex-2-enone | 0.151% |
| EINECS: 201-126-0 | Carc. 2, H351; Acute Tox. 4, H302; Acute Tox. 4, H312; Eye Irrit. 2, H319; STOT SE 3, H335 |

· **SVHC**
  - 98-95-3 nitrobenzene

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 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.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** Call for a doctor immediately.

- **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: No further relevant information available.

### 5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.
6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.

- **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).
  Dispose contaminated material as waste according to item 13.
  Ensure adequate ventilation.

- **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/exhaustion at the workplace.
  - **Information about fire - and explosion protection:** No special measures required.

- **Conditions for safe storage, including any incompatibilities**
  - **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:** None.
  - **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

- **Control parameters**
  - **Ingredients with limit values that require monitoring at the workplace:**
    - **75-09-2 dichloromethane**
      - WEL Short-term value: 1060 mg/m³, 300 ppm
      - Long-term value: 350 mg/m³, 100 ppm
      - BMGV, Sk
    - **98-95-3 nitrobenzene**
      - WEL Long-term value: 1 mg/m³, 0.2 ppm
      - Sk
    - **120-82-1 1,2,4-trichlorobenzene**
      - WEL Short-term value: 5 ppm
      - Sk
      - Long-term value: 1 ppm
    - **78-59-1 3,5,5-trimethylcyclohex-2-enone**
      - WEL Short-term value: 29 mg/m³, 5 ppm
Ingredients with biological limit values:

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>BMGV</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-09-2 dichloromethane</td>
<td>30 ppm</td>
</tr>
</tbody>
</table>

Medium: end-tidal breath
Sampling time: post shift
Parameter: carbon monoxide

Additional information: The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:
- Keep away from foodstuffs, beverages and feed.
- Wash hands before breaks and at the end of work.
- Store protective clothing separately.

Respiratory protection:
- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Safety glasses

Tightly sealed goggles

Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:
- Form: Fluid
- Colour: Colourless
- Odour: Like chlorine
- Odour threshold: Not determined.
### Safety data sheet

**Trade name:** Semi-Volatiles Mixture 3

(Contd. of page 5)

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>pH-value:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Change in condition</strong></td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point:</td>
<td>-95.1 °C</td>
</tr>
<tr>
<td>Initial boiling point and boiling range:</td>
<td>40 °C</td>
</tr>
<tr>
<td><strong>Flash point:</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Flammability (solid, gas):</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Ignition temperature:</strong></td>
<td>605 °C</td>
</tr>
<tr>
<td><strong>Decomposition temperature:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature:</strong></td>
<td>Product is not selfigniting.</td>
</tr>
<tr>
<td><strong>Explosive properties:</strong></td>
<td>Product does not present an explosion hazard.</td>
</tr>
<tr>
<td><strong>Explosion limits:</strong></td>
<td></td>
</tr>
<tr>
<td>Lower</td>
<td>13 Vol %</td>
</tr>
<tr>
<td>Upper</td>
<td>22 Vol %</td>
</tr>
<tr>
<td><strong>Vapour pressure at 20 °C:</strong></td>
<td>360 hPa</td>
</tr>
<tr>
<td><strong>Density at 20 °C:</strong></td>
<td>1.3 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><strong>Solubility in / Miscibility with water at 20 °C:</strong></td>
<td>20 g/l</td>
</tr>
<tr>
<td><strong>Partition coefficient: n-octanol/water:</strong></td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Viscosity:</strong></td>
<td></td>
</tr>
<tr>
<td>Dynamic</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Kinematic</td>
<td>Not determined.</td>
</tr>
<tr>
<td><strong>Solvent content:</strong></td>
<td></td>
</tr>
<tr>
<td>Organic solvents</td>
<td>97.9 %</td>
</tr>
<tr>
<td>VOC (EC)</td>
<td>97.89 %</td>
</tr>
<tr>
<td><strong>Solids content:</strong></td>
<td>1.2 %</td>
</tr>
<tr>
<td><strong>Other information</strong></td>
<td>No further relevant information available.</td>
</tr>
</tbody>
</table>

### Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
  - **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.

(Contd. on page 7)
11 Toxicological information

- Information on toxicological effects
- Acute toxicity
  Harmful if swallowed.

**LD/LC50 values relevant for classification:**

**ATE (Acute Toxicity Estimates)**

<table>
<thead>
<tr>
<th></th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalative LC50/4 h</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-09-2 dichloromethane</td>
<td>1600 mg/kg (rat)</td>
<td>&gt;2000 mg/kg (rat)</td>
<td>88 mg/L (rat)</td>
</tr>
<tr>
<td>111-91-1 bis(2-chloroethoxy)methane</td>
<td>65 mg/kg (rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>59-50-7 chlorocresol</td>
<td>1830 mg/kg (rat)</td>
<td>&gt;2000 mg/kg (rat)</td>
<td></td>
</tr>
<tr>
<td>106-47-8 4-chloroaniline</td>
<td>310 mg/kg (rat)</td>
<td>3200 mg/kg (rat)</td>
<td></td>
</tr>
<tr>
<td>105-67-9 2,4-xylenol</td>
<td>3200 mg/kg (rat)</td>
<td>1040 mg/kg (rat)</td>
<td></td>
</tr>
<tr>
<td>122-09-8 alpha,alpha-dimethylphenethylamine</td>
<td>154 mg/kg (mouse)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>120-83-2 2,4-dichlorophenol</td>
<td>47 mg/kg (rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>87-68-3 hexachlorobuta-1,3-diene</td>
<td>82 mg/kg (rat)</td>
<td>100 mg/kg (rabbit)</td>
<td>370 mg/L (rabbit)</td>
</tr>
<tr>
<td>100-75-4 1-nitrosopiperidine</td>
<td>200 mg/kg (rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>98-95-3 nitrobenzene</td>
<td>390 mg/kg (rat)</td>
<td>2100 mg/kg (rat)</td>
<td>556 mg/L (rat)</td>
</tr>
<tr>
<td>120-82-1 1,2,4-trichlorobenzene</td>
<td>756 mg/kg (rat)</td>
<td>6139 mg/kg (rat)</td>
<td></td>
</tr>
</tbody>
</table>

(Contd. on page 8)
Trade name: Semi-Volatiles Mixture 3

### 91-20-3 naphthalene

<table>
<thead>
<tr>
<th>Route</th>
<th>LD50</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50</td>
<td>490 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50</td>
<td>5000 mg/kg (rat)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>20000 mg/kg (rabbit)</td>
</tr>
</tbody>
</table>

### 78-59-1 3,5,5-trimethylcyclohex-2-enone

<table>
<thead>
<tr>
<th>Route</th>
<th>LC50</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalative</td>
<td>LC50/4 h</td>
<td>7000 mg/L (rat)</td>
</tr>
</tbody>
</table>

- **Primary irritant effect:**
  - **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
  - **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
  - **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
  - **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity**
    - May cause cancer.
  - **Reproductive toxicity** Based on available data, the classification criteria are not met.
  - **STOT-single exposure** Based on available data, the classification criteria are not met.
  - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
  - **Aspiration hazard** Based on available data, the classification criteria are not met.

### 12 Ecological information

- **Toxicity**
  - **Aquatic toxicity**: No further relevant information available.
  - **Persistence and degradability**: No further relevant information available.

- **Behaviour in environmental systems**:
  - **Bioaccumulative potential**: No further relevant information available.
  - **Mobility in soil**: No further relevant information available.

- **Ecotoxic effects**:
  - **Remark**: Harmful to fish

- **Additional ecological information**:
  - **General notes**:
    - Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
    - Do not allow product to reach ground water, water course or sewage system, even in small quantities.
    - Danger to drinking water if even extremely small quantities leak into the ground.
    - Harmful to aquatic organisms

- **Results of PBT and vPvB assessment**
  - **PBT**:
    - 87-68-3 hexachlorobuta-1,3-diene
    - 120-82-1 1,2,4-trichlorobenzene
  - **vPvB**:
    - 87-68-3 hexachlorobuta-1,3-diene

- **Other adverse effects** No further relevant information available.
13 Disposal considerations

- Waste treatment methods
- Recommendation
  Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- European waste catalogue
  - HP 7  Carcinogenic
  - HP 14  Ecotoxic

- Uncleaned packaging:
  - Recommendation: Disposal must be made according to official regulations.

14 Transport information

- UN-Number
  - ADR, IMDG, IATA  UN1593

- UN proper shipping name
  - ADR  1593 DICHLOROMETHANE
  - IMDG, IATA  DICHLOROMETHANE

- Transport hazard class(es)
  - ADR, IMDG, IATA
    - Class  6.1 Toxic substances.
    - Label  6.1

- Packing group
  - ADR, IMDG, IATA  III

- Environmental hazards:
  - Not applicable.

- Special precautions for user
  - Warning: Toxic substances.
  - Dangerous code (Kemler): 60
  - EMS Number: F-A,S-A
  - Segregation groups: Liquid halogenated hydrocarbons
  - Stowage Category: A

- Transport in bulk according to Annex II of Marpol and the IBC Code
  - Not applicable.

- Transport/Additional information:
  - ADR
    - Limited quantities (LQ): 5L
    - Exected quantities (EQ): Code: E1
      Maximum net quantity per inner packing: 30 ml
      Maximum net quantity per outer packing: 1000 ml
  - Transport category: 2
  - Tunnel restriction code: E
Trade name: Semi-Volatiles Mixture 3

- IMDG
- Limited quantities (LQ): 5L
  - Code: E1
  - Maximum net quantity per inner packaging: 30 ml
  - Maximum net quantity per outer packaging: 1000 ml
- Excepted quantities (EQ): 5L

UN "Model Regulation": UN 1593 DICHLORETHANE, 6.1, III

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 28, 30, 43, 49, 59
- National regulations:
  - Additional classification according to Decree on Hazardous Materials, Annex II:
    - Carcinogenic hazardous material group III (dangerous).
- Information about limitation of use:
  - Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.
  - Exceptions can be made by the authorities in certain cases.
- Other regulations, limitations and prohibitive regulations
  - Substances of very high concern (SVHC) according to REACH, Article 57
    - 98-95-3 nitrobenzene
  - 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.

- Relevant phrases
  - H301 Toxic if swallowed.
  - H302 Harmful if swallowed.
  - H311 Toxic in contact with skin.
  - H312 Harmful in contact with skin.
  - H314 Causes severe skin burns and eye damage.
  - H315 Causes skin irritation.
  - H317 May cause an allergic skin reaction.
  - H318 Causes serious eye damage.
  - H319 Causes serious eye irritation.
  - H331 Toxic if inhaled.
  - H335 May cause respiratory irritation.
  - H350 May cause cancer.
  - H351 Suspected of causing cancer.
  - H360F May damage fertility.
  - H372 Causes damage to organs through prolonged or repeated exposure.
  - H400 Very toxic to aquatic life.
  - H410 Very toxic to aquatic life with long lasting effects.
  - H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

· Department issuing SDS: Document Control / Regulatory
· Contact: regulatory@ultrasci.com
· Abbreviations and acronyms:
  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
  IATA: International Air Transport Association
  GHS: Globally Harmonised System of Classification and Labelling of Chemicals
  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)
  VOC: Volatile Organic Compounds (USA, EU)
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
  PBT: Persistent, Bioaccumulative and Toxic
  SVHC: Substances of Very High Concern
  vPvB: very Persistent and very Bioaccumulative
  Acute Tox. 3: Acute toxicity – Category 3
  Acute Tox. 4: Acute toxicity – Category 4
  Skin Corr. 1B: Skin corrosion/irritation – Category 1B
  Skin Irrit. 2: Skin corrosion/irritation – Category 2
  Eye Dam. 1: Serious eye damage/eye irritation – Category 1
  Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
  Skin Sens. 1: Skin sensitisation – Category 1
  Carc. 1B: Carcinogenicity – Category 1B
  Carc. 2: Carcinogenicity – Category 2
  Repr. 1B: Reproductive toxicity – Category 1B
  STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
  STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
  Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
  Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
  Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
  Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3