1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade name:
AQUENCE KL 255

IDH-No.

Intended use:
Wood adhesives

E-mail address of person responsible for Safety Data Sheet:
ua-productsafety.la@henkel.com

Emergency information:
Cituc Química: +56(2) 22473600  Cituc Intoxicación: +56(2) 26353800

2. HAZARDS IDENTIFICATION

Classification according to NCh382
Not classified as hazardous according to NCh382.

Classification according to GHS

Classification system adopted: GHS 4th edition
Skin corrosion/irritation  Category 2
Serious eye damage/eye irritation  Category 2A
Acute hazards to the aquatic environment  Category 3

GHS Label elements

GHS label elements

Hazard pictogram:

Signal word: Warning
Hazard statement:
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H402 Harmful to aquatic life.

Precautionary statement:
Prevention
P273 Avoid release to the environment.
P280 Wear protective gloves/eye protection.

Precautionary statement:
Response
P302+P352 IF ON SKIN: Wash with plenty of 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.

Precautionary statement:
Disposal
P501 Dispose of waste and residues in accordance with local authority requirements.

Security signal according yo NCh1411/4

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>CAS-No.</th>
<th>content</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-Butoxyethoxy)ethyl acetate</td>
<td>124-17-4</td>
<td>1-5 %</td>
<td>UN</td>
</tr>
</tbody>
</table>
| Aluminium chloride                       | 7446-70-0| 1-<3 % | Skin corrosion 1B  
  H314                                      |
| Alcohols, C12-14, ethoxylated            | 68439-50-9| 0,2-0,25 % | UN  
  Serious eye damage 1  
  H318  
  Acute hazards to the aquatic environment 1  
  H400  
  Chronic hazards to the aquatic environment 3  
  H412                                      |
| Docusate sodium                          | 577-11-7| 0,1-0,2 % | Skin irritation 2; Dermal  
  H315  
  Serious eye damage 1  
  H318                                      |

For full text of the H - statements and other abbreviations see section 16 "Other information". Substances without classification may have community workplace exposure limits available.

4. FIRST AID MEASURES

General information:
In case of exposure, immediate medical treatment necessary.

Inhalation:
Immediately remove victim to fresh air.
In case of adverse health effects seek medical advice.
Skin contact:
Rinse with running water and soap. Skin care. Remove contaminated clothes immediately.

Eye contact:
In case of contact with the eyes, rinse immediately with plenty of water for 15 minutes, and seek immediate medical attention.

Ingestion:
DO NOT induce vomiting unless directed to do so by medical personnel.

Most important symptoms and effects, both acute and delayed
After skin contact: Moderate to strong irritation of the skin (redness, swelling, burning), severe burns also possible.
After eye contact: Moderate to strong irritation of the eyes (redness, swelling, burning, watering eyes).

Indication of any immediate medical attention and special treatment needed
Avoid the contact with the product during the rescue.
If necessary, symptomatic treatment should include support measures to correct electrolyte, metabolic disorders, and respiratory fail
In case of contact with the product do not rub the affected area.

5. FIREFIGHTING MEASURES

Suitable extinguishing media:
carbon dioxide, foam, powder, water spray jet, fine water spray

Agentes de extinción inapropiados
High pressure waterjet

Precauciones para el personal de emergencia y/o los bomberos
Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA).

Hazardous combustion products:
Oxides of carbon.

6. ACCIDENTAL RELEASE MEASURES

Equipo de protección y Procedimientos de emergencia
If large amounts are released contact the fire service.

Personal precautions:
Wear protective equipment.
Ensure adequate ventilation.

Precauciones medioambientales
Do not empty into drains / surface water / ground water.

Métodos y materiales de limpieza
Remove with liquid-absorbing material (sand, peat, sawdust).

7. HANDLING AND STORAGE

Manipulación:
Ensure that workrooms are adequately ventilated.
Avoid skin and eye contact.

Storage:
Suitable material for containers: original container.
It must maintain a distance of 1.2 m between hazardous the product and other hazardous substances.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
Occupational Exposure Limits
Valid for
Chile

<table>
<thead>
<tr>
<th>Ingredient [Regulated substance]</th>
<th>ppm</th>
<th>mg/m³</th>
<th>Value type</th>
<th>Short term exposure limit category / Remarks</th>
<th>Regulatory list</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminium chloride 7446-70-0</td>
<td>1.6</td>
<td></td>
<td>Time Weighted Average (TWA):</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Biological Exposure Indices:
None

Medidas de ingeniería:
Ensure good ventilation/suction at the workplace.

Respiratory protection:
Suitable breathing mask when there is inadequate ventilation.

Protección de manos:
Suitable protective gloves.

Protección de ojos:
Wear protective glasses.

Protección de la piel y el cuerpo:
Wear protective equipment.

Precauciones específicas:
There is no thermal hazards.

General protection and hygiene measures:
Avoid skin and eye contact.
Do not eat, drink or smoke while working.

9. PHYSICAL AND CHEMICAL PROPERTIES

 Aspecto (Estado físico, forma, color, etc)  liquid  liquid  white
 Odor:  characteristic

 pH:  3.7 - 4.0
 Punto de fusión/punto de congelamiento  Not available.
 Punto de ebullición, punto inicial de ebullición y rango de ebullición  Not available.
 Flash point  Not available.
 Explosion limit  Not available.
 Vapor pressure  Not available.
 Vapor density:  Not available.
 Densidad/densidad relativa (agua = 1)  1.09 g/cm³
 Solubility  Not available.
 Coeficiente de partición n-octanol/agua  Not available.
 Auto ignition temperature  Not available.
 Decomposition point  Not available.
 Viscosity (dynamic)  3.000 - 4.000 mPa.s
 (Brookfield; 25 °C (77 °F))
10. STABILITY AND REACTIVITY

Chemical stability:
Stable under normal conditions of temperature and pressure.

Hazardous reactions
None known.

Conditions to avoid:
Excessive heat.

Incompatible materials:
None known.

Hazardous decomposition products:
In case of fire toxic gases can be released.

11. TOXICOLOGICAL INFORMATION

Oral toxicity:
> 5.000 mg/kg  
Acute toxicity estimate (ATE)

Skin irritation:
Causes skin irritation.

Eye irritation:
Causes serious eye irritation.

Acute oral toxicity:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Value type</th>
<th>Value</th>
<th>Route of application</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-Butoxyethoxy)ethyl acetate 124-17-4</td>
<td>LD50</td>
<td>11.920 mg/kg</td>
<td>oral</td>
<td>rat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminium chloride 7446-70-0</td>
<td>LD50</td>
<td>3.450 mg/kg</td>
<td>oral</td>
<td>rat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
<td>LD50</td>
<td>&gt; 2.000 mg/kg</td>
<td>oral</td>
<td>rat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Docusate sodium 577-11-7</td>
<td>LD50</td>
<td>&gt; 2.100 mg/kg</td>
<td>oral</td>
<td>rat</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Acute inhalative toxicity:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Value type</th>
<th>Value</th>
<th>Route of application</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-Butoxyethoxy)ethyl acetate 124-17-4</td>
<td>LC50</td>
<td>73,7 mg/l</td>
<td>inhalation</td>
<td>4 h</td>
<td>rat</td>
<td></td>
</tr>
</tbody>
</table>

Acute dermal toxicity:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>Value type</th>
<th>Value</th>
<th>Route of application</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-Butoxyethoxy)ethyl acetate 124-17-4</td>
<td>LD50</td>
<td>15.000 mg/kg</td>
<td>dermal</td>
<td>rabbit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
<td>LD50</td>
<td>&gt; 3.000 mg/kg</td>
<td>dermal</td>
<td>rabbit</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Skin corrosion/irritation:
### Hazardous components

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Result</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
<td>not irritating</td>
<td>4 h</td>
<td>rabbit</td>
<td>OECD Guideline 404 (Acute Dermal Irritation / Corrosion)</td>
</tr>
<tr>
<td>Docusate sodium 577-11-7</td>
<td>Category 2 (irritant)</td>
<td>4 h</td>
<td>rabbit</td>
<td>OECD Guideline 404 (Acute Dermal Irritation / Corrosion)</td>
</tr>
</tbody>
</table>

### Serious eye damage/irritation:

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Result</th>
<th>Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
<td>highly irritating</td>
<td></td>
<td>rabbit</td>
<td>OECD Guideline 405 (Acute Eye Irritation / Corrosion)</td>
</tr>
<tr>
<td>Docusate sodium 577-11-7</td>
<td>Category 1 (irreversible effects on the eye)</td>
<td></td>
<td>rabbit</td>
<td>OECD Guideline 405 (Acute Eye Irritation / Corrosion)</td>
</tr>
</tbody>
</table>

### Respiratory or skin sensitization:

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Result</th>
<th>Test type</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
<td>not sensitising</td>
<td>Guinea pig maximisation test</td>
<td>guinea pig</td>
<td>OECD Guideline 406 (Skin Sensitisation)</td>
</tr>
<tr>
<td>Docusate sodium 577-11-7</td>
<td>not sensitising</td>
<td></td>
<td>human</td>
<td>human repeat insult patch test</td>
</tr>
</tbody>
</table>

### Germ cell mutagenicity:

<table>
<thead>
<tr>
<th>CAS-No.</th>
<th>Result</th>
<th>Type of study / Route of administration</th>
<th>Metabolic activation / Exposure time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-Butoxyethoxy)ethyl acetate 124-17-4</td>
<td>negative</td>
<td>bacterial reverse mutation assay (e.g. Ames test)</td>
<td>with and without</td>
<td></td>
<td>OECD Guideline 471 (Bacterial Reverse Mutation Assay)</td>
</tr>
<tr>
<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
<td>negative</td>
<td>bacterial reverse mutation assay (e.g. Ames test)</td>
<td>with and without</td>
<td></td>
<td>OECD Guideline 471 (Bacterial Reverse Mutation Assay)</td>
</tr>
<tr>
<td></td>
<td>negative</td>
<td>in vitro mammalian chromosome aberration test</td>
<td>with and without</td>
<td></td>
<td>OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)</td>
</tr>
<tr>
<td></td>
<td>negative</td>
<td>mammalian cell gene mutation assay</td>
<td>with and without</td>
<td></td>
<td>OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)</td>
</tr>
<tr>
<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
<td>negative</td>
<td>intraperitoneal</td>
<td>mouse</td>
<td></td>
<td>OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)</td>
</tr>
</tbody>
</table>

### Carcinogenicity:

Not available.

### Reproductive toxicity:

Not available.

### Specific target organ toxicity - Single exposure:

Not available.

### Specific target organ toxicity - Repeated exposure:

Not available.

### Aspiration hazard:

Not available.
### General ecological information:

Do not empty into drains, soil or bodies of water.

Harmful to aquatic organisms.

### Ecotoxicity:

<table>
<thead>
<tr>
<th>Hazardous components CAS-No.</th>
<th>Value type</th>
<th>Value</th>
<th>Acute Toxicity Study</th>
<th>Exposuress e time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-Butoxyethoxy)ethyl acetate 124-17-4</td>
<td>LC50</td>
<td>50 - 70 mg/l</td>
<td>Fish</td>
<td>96 h</td>
<td>Brachydanio rerio (new name: Danio rerio)</td>
<td>OECD Guideline 203 (Fish, Acute Toxicity Test)</td>
</tr>
<tr>
<td>2-(2-Butoxyethoxy)ethyl acetate 124-17-4</td>
<td>EC50</td>
<td>665 mg/l</td>
<td>Daphnia</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)</td>
</tr>
<tr>
<td>2-(2-Butoxyethoxy)ethyl acetate 124-17-4</td>
<td>EC0</td>
<td>1.575 mg/l</td>
<td>Bacteria</td>
<td>30 min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminium chloride 7446-70-0</td>
<td>LC50</td>
<td>80 mg/l</td>
<td>Fish</td>
<td>48 h</td>
<td>Brachydanio rerio (new name: Danio rerio)</td>
<td>OECD Guideline 203 (Fish, Acute Toxicity Test)</td>
</tr>
<tr>
<td>Aluminium chloride 7446-70-0</td>
<td>EC50</td>
<td>1.5 mg/l</td>
<td>Daphnia</td>
<td>48 h</td>
<td></td>
<td>OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)</td>
</tr>
<tr>
<td>Aluminium chloride 7446-70-0</td>
<td>EC0</td>
<td>&gt; 100 mg/l</td>
<td>Bacteria</td>
<td>30 min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
<td>LC50</td>
<td>1.5 mg/l</td>
<td>Fish</td>
<td>48 h</td>
<td>Leuciscus idus</td>
<td>DIN 38412-15</td>
</tr>
<tr>
<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
<td>EC50</td>
<td>2.5 mg/l</td>
<td>Daphnia</td>
<td>24 h</td>
<td>Daphnia magna</td>
<td>DIN 38412, part 11</td>
</tr>
<tr>
<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
<td>NOEC</td>
<td>&gt; 0.1 - 1 mg/l</td>
<td>Algae</td>
<td>72 h</td>
<td>Scenedesmus subspicatus (new name: Desmodesmus subspicatus)</td>
<td>DIN 38412-09</td>
</tr>
<tr>
<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
<td>EC50</td>
<td>0.87 mg/l</td>
<td>Algae</td>
<td>72 h</td>
<td>Scenedesmus subspicatus (new name: Desmodesmus subspicatus)</td>
<td>DIN 38412-09</td>
</tr>
<tr>
<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
<td>EC0</td>
<td>10.000 mg/l</td>
<td>Bacteria</td>
<td>30 min</td>
<td>Pseudomonas putida</td>
<td>DIN 38412, part 27 (Bacterial oxygen consumption test)</td>
</tr>
<tr>
<td>Docusate sodium 577-11-7</td>
<td>LC50</td>
<td>49 mg/l</td>
<td>Fish</td>
<td>96 h</td>
<td>Brachydanio rerio (new name: Danio rerio)</td>
<td>EU Method C.1 (Acute Toxicity for Fish)</td>
</tr>
<tr>
<td>Docusate sodium 577-11-7</td>
<td>EC50</td>
<td>6.6 mg/l</td>
<td>Daphnia</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>EU Method C.2 (Acute Toxicity for Daphnia)</td>
</tr>
<tr>
<td>Docusate sodium 577-11-7</td>
<td>EC10</td>
<td>22 mg/l</td>
<td>Algae</td>
<td>72 h</td>
<td>Scenedesmus subspicatus (new name: Desmodesmus subspicatus)</td>
<td>EU Method C.3 (Algal Inhibition test)</td>
</tr>
<tr>
<td>Docusate sodium 577-11-7</td>
<td>EC50</td>
<td>82.5 mg/l</td>
<td>Algae</td>
<td>72 h</td>
<td>Scenedesmus subspicatus (new name: Desmodesmus subspicatus)</td>
<td>DIN 38412, part 8 (Pseudomonas Zellvermehrungs hemm-Test)</td>
</tr>
<tr>
<td>Docusate sodium 577-11-7</td>
<td>EC10</td>
<td>122 mg/l</td>
<td>Bacteria</td>
<td>16.5 h</td>
<td>Pseudomonas putida</td>
<td></td>
</tr>
</tbody>
</table>

### Persistence and degradability:

<table>
<thead>
<tr>
<th>Hazardous components CAS-No.</th>
<th>Result</th>
<th>Route of application</th>
<th>Degradability</th>
<th>Method</th>
</tr>
</thead>
</table>

---

**General ecological information:**

- Do not empty into drains, soil or bodies of water.
- Harmful to aquatic organisms.

**Ecotoxicity:**

<table>
<thead>
<tr>
<th>Hazardous components CAS-No.</th>
<th>Value type</th>
<th>Value</th>
<th>Acute Toxicity Study</th>
<th>Exposuress e time</th>
<th>Species</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-Butoxyethoxy)ethyl acetate 124-17-4</td>
<td>LC50</td>
<td>50 - 70 mg/l</td>
<td>Fish</td>
<td>96 h</td>
<td>Brachydanio rerio (new name: Danio rerio)</td>
<td>OECD Guideline 203 (Fish, Acute Toxicity Test)</td>
</tr>
<tr>
<td>2-(2-Butoxyethoxy)ethyl acetate 124-17-4</td>
<td>EC50</td>
<td>665 mg/l</td>
<td>Daphnia</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)</td>
</tr>
<tr>
<td>2-(2-Butoxyethoxy)ethyl acetate 124-17-4</td>
<td>EC0</td>
<td>1.575 mg/l</td>
<td>Bacteria</td>
<td>30 min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminium chloride 7446-70-0</td>
<td>LC50</td>
<td>80 mg/l</td>
<td>Fish</td>
<td>48 h</td>
<td>Brachydanio rerio (new name: Danio rerio)</td>
<td>OECD Guideline 203 (Fish, Acute Toxicity Test)</td>
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<tr>
<td>Aluminium chloride 7446-70-0</td>
<td>EC50</td>
<td>1.5 mg/l</td>
<td>Daphnia</td>
<td>48 h</td>
<td></td>
<td>OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)</td>
</tr>
<tr>
<td>Aluminium chloride 7446-70-0</td>
<td>EC0</td>
<td>&gt; 100 mg/l</td>
<td>Bacteria</td>
<td>30 min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
<td>LC50</td>
<td>1.5 mg/l</td>
<td>Fish</td>
<td>48 h</td>
<td>Leuciscus idus</td>
<td>DIN 38412-15</td>
</tr>
<tr>
<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
<td>EC50</td>
<td>2.5 mg/l</td>
<td>Daphnia</td>
<td>24 h</td>
<td>Daphnia magna</td>
<td>DIN 38412, part 11</td>
</tr>
<tr>
<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
<td>NOEC</td>
<td>&gt; 0.1 - 1 mg/l</td>
<td>Algae</td>
<td>72 h</td>
<td>Scenedesmus subspicatus (new name: Desmodesmus subspicatus)</td>
<td>DIN 38412-09</td>
</tr>
<tr>
<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
<td>EC50</td>
<td>0.87 mg/l</td>
<td>Algae</td>
<td>72 h</td>
<td>Scenedesmus subspicatus (new name: Desmodesmus subspicatus)</td>
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<td>Alcohols, C12-14, ethoxylated 68439-50-9</td>
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<td>96 h</td>
<td>Brachydanio rerio (new name: Danio rerio)</td>
<td>EU Method C.1 (Acute Toxicity for Fish)</td>
</tr>
<tr>
<td>Docusate sodium 577-11-7</td>
<td>EC50</td>
<td>6.6 mg/l</td>
<td>Daphnia</td>
<td>48 h</td>
<td>Daphnia magna</td>
<td>EU Method C.2 (Acute Toxicity for Daphnia)</td>
</tr>
<tr>
<td>Docusate sodium 577-11-7</td>
<td>EC10</td>
<td>22 mg/l</td>
<td>Algae</td>
<td>72 h</td>
<td>Scenedesmus subspicatus (new name: Desmodesmus subspicatus)</td>
<td>EU Method C.3 (Algal Inhibition test)</td>
</tr>
<tr>
<td>Docusate sodium 577-11-7</td>
<td>EC50</td>
<td>82.5 mg/l</td>
<td>Algae</td>
<td>72 h</td>
<td>Scenedesmus subspicatus (new name: Desmodesmus subspicatus)</td>
<td>DIN 38412, part 8 (Pseudomonas Zellvermehrungs hemm-Test)</td>
</tr>
<tr>
<td>Docusate sodium 577-11-7</td>
<td>EC10</td>
<td>122 mg/l</td>
<td>Bacteria</td>
<td>16.5 h</td>
<td>Pseudomonas putida</td>
<td></td>
</tr>
</tbody>
</table>
2-(2-Butoxyethoxy)ethyl acetate 124-17-4 | readily biodegradable | aerobic | > 90 % | OECD Guideline 302 B (Inherent biodegradability: Zahn-Wellens/EMPA Test) 

Alcohols, C12-14, ethoxylated 68439-50-9 | readily biodegradable | aerobic | 100 % | EU Method C.4-E (Determination of the “Ready” Biodegradability: Closed Bottle Test) 

Docusate sodium 577-11-7 | readily biodegradable | aerobic | 78 - 79 % | EU Method C.4-E (Determination of the “Ready” Biodegradability: Closed Bottle Test) 

Bioaccumulative potential:

No data available.

Mobility in soil:

<table>
<thead>
<tr>
<th>Hazardous components</th>
<th>LogKow</th>
<th>Bioconcentration factor (BCF)</th>
<th>Exposure time</th>
<th>Species</th>
<th>Temperature</th>
<th>Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-Butoxyethoxy)ethyl acetate 124-17-4</td>
<td>1.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aluminium chloride 7446-70-0</td>
<td>1.26</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Docusate sodium 577-11-7</td>
<td>1.998</td>
<td></td>
<td></td>
<td></td>
<td>20 °C</td>
<td>QSAR (Quantitative Structure Activity Relationship)</td>
</tr>
</tbody>
</table>

Other adverse effects:

No data available.

13. DISPOSAL CONSIDERATIONS

Product disposal:

Dispose of in accordance to the following applicable Chilean regulation: Decree No. 1, Supreme Decree No. 594, Supreme Decree No. 609 and Resolution No. 5081 of Ministry of Health or other applicable when it is disposed.

Disposal of uncleaned packages:

Dispose of in accordance to the following applicable Chilean regulation: Decree No. 1, Supreme Decree No. 594, Supreme Decree No. 609 and Resolution No. 5081 of Ministry of Health or other applicable when it is disposed.

14. TRANSPORT INFORMATION

General information:

Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.

Air transport IATA:

Not dangerous goods
15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

CHILEAN OFFICIAL REGULATION: Ch382.Of 2013 - Sustancias peligrosas - Terminología y clasificación general (equivalente a la norma DOT)

CHILEAN OFFICIAL REGULATION: NCh1411/4 of 1978 - Prevención de riesgos - Parte 4: Identificación de riesgos de materiales (equivalente a la norma NFPA 704)


CHILEAN OFFICIAL REGULATION: NCh 2190 of 2003 - Transporte de sustancias peligrosas - Distintivos para identificación de riesgos

CHILEAN OFFICIAL REGULATION: Decreto Supremo Nº 148/03, Reglamento sanitario sobre manejo de residuos peligrosos.

CHILEAN OFFICIAL REGULATION: Decreto Supremo Nº 298/94, Reglamenta transporte de cargas peligrosas por calles y caminos.

CHILEAN OFFICIAL REGULATION: Decreto Supremo Nº 78/10, Reglamento de almacenamiento de sustancias peligrosas.

Chile. Prohibited Substances. Supreme Decree No. 594, art. 65: Regulating Basic Health and Environmental Conditions in the Workplace

16. OTHER INFORMATION

Further information:
This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.

Changes control:
Estructura de HDS actualizada
Cambio en todas las secciones

Abbreviations:
ADNR: Regulations for the Carriage of Dangerous Goods on the Rhine.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
BCF - Bioconcentration Factor
BEI - Biological Exposure Indices
CAS: Chemical Abstracts Service
IARC - International Agency for Research on Cancer
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IMDG: International Maritime Dangerous Goods code
LC 50: Lethal Concentration 50%
LD 50: Lethal Dose 50%
OECD: Organization for Economic Cooperation and Development
RID: International Rule for Transport of Dangerous Substances by Railway
STEL - Short term exposure limit
TLV - Threshold Limit Value
TWA - Time weighted average