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

1.1 Product identifier

Product code 5016308
Product name KODAK Dental X-ray Fixer
CARESTREAM DENTAL X-Ray Fixer

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Restricted to professional users. photographic chemical.
Uses advised against No information available

1.3 Details of the supplier of the safety data sheet

Supplier Carestream Health UK Ltd., 1 Park Lane, Hemel Hempstead, Hertfordshire, HP2 4YG

For further information, please contact:

Product Information +44 (0)870 6000245
E-mail address For environment, health and safety information, email: EMEAEHS@carestream.com

1.4 Emergency telephone number

Emergency telephone CHEMTREC International 1-703-527-3887
CHEMTREC UK +(44)-870-8200418

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to EU Directives 67/548/EEC or 1999/45/EC
For the full text of the R-phrases mentioned in this Section, see Section 16

The preparation is non-dangerous in accordance with Directive 1999/45/EC.
Symbol(s) Not dangerous

2.2 Label Elements

Symbol(s) Not dangerous.
R-phrase(s)
None

2.3 OTHER INFORMATION
Environmental properties None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC-No</th>
<th>CAS-No</th>
<th>Weight percent</th>
<th>Classification (67/548)</th>
<th>GHS Classification</th>
<th>REACH Registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ammonium thiosulfate</td>
<td>231-982-0</td>
<td>7783-18-8</td>
<td>40-45</td>
<td>-</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Acetic acid</td>
<td>200-580-7</td>
<td>64-19-7</td>
<td>5-10</td>
<td>R10 C; R35</td>
<td>Skin Corr. 1A (H314) B</td>
<td>no data available</td>
</tr>
<tr>
<td>Sodium sulfite</td>
<td>231-821-4</td>
<td>7757-83-7</td>
<td>5-10</td>
<td>-</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Sodium borate</td>
<td>215-540-4</td>
<td>1330-43-4</td>
<td>&lt;2</td>
<td>Repr. Cat.2; R60-61</td>
<td>Repr. 1B (H360FD)</td>
<td>no data available</td>
</tr>
</tbody>
</table>

Non-hazardous ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EC-No</th>
<th>CAS-No</th>
<th>Weight percent</th>
<th>Classification (67/548)</th>
<th>GHS Classification</th>
<th>REACH Registration Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>231-791-2</td>
<td>7732-18-5</td>
<td>40-45</td>
<td>-</td>
<td>no data available</td>
<td>no data available</td>
</tr>
</tbody>
</table>

For the full text of the R-phrases mentioned in this Section, see Section 16

#### 4. FIRST AID MEASURES

4.1 Description of first aid measures

**Eye contact**
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Skin contact**
Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. Get medical attention immediately if symptoms occur.

**Ingestion**
Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.
Inhalation

Move to fresh air. Get medical attention immediately if symptoms occur.

### 5. FIRE-FIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which shall not be used for safety reasons

No information available

#### 5.2 Special hazards arising from the substance or mixture

Special hazard

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

#### 5.3 Advice for fire-fighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

For personal protection see section 8.

See Section 12 for additional information.

#### 6.2 Environmental precautions

Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained. Try to prevent the material from entering drains or water courses.

#### 6.3 Methods and material for containment and cleaning up

Keep in suitable, closed containers for disposal. Contain spillage, and then collect with non-combustable absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 7. HANDLING AND STORAGE
7.1 Precautions for safe handling

Advice on safe handling  
Ensure adequate ventilation. Wash thoroughly after handling.

Prevention of fire and explosion  
Keep from contact with oxidizing materials.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions  
Keep containers tightly closed in a dry, cool and well-ventilated place.

Materials to avoid  
Strong oxidizing agents. Strong acids. Strong bases. Contact with strong acids liberates sulphur dioxide. Contact with sodium hypochlorite (bleach) may form chloramine (toxic gas). Contact with strong bases liberates ammonia.

7.3 Specific end uses

Exposure scenario  
No information available

---

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure limits

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>European Union</th>
<th>The United Kingdom</th>
<th>France</th>
<th>Spain</th>
<th>Germany</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid 64-19-7</td>
<td>TWA 10 ppm</td>
<td>STEL 10 ppm</td>
<td>TWA 10 ppm</td>
<td>TWA 10 ppm</td>
<td>AGW 10 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA 25 mg/m³</td>
<td>STEL 25 mg/m³</td>
<td>TWA 25 mg/m³</td>
<td>TWA 25 mg/m³</td>
<td>AGW 25 mg/m³</td>
</tr>
<tr>
<td>Sodium borate 1330-43-4</td>
<td>STEL 3 mg/m³</td>
<td>TWA 1 mg/m³</td>
<td>STEL 3 mg/m³</td>
<td>TWA 1 mg/m³</td>
<td>R2 (TR1)</td>
</tr>
<tr>
<td></td>
<td>TWA 1 mg/m³</td>
<td>TWA 1 mg/m³</td>
<td>TWA 1 mg/m³</td>
<td>TWA 1 mg/m³</td>
<td>R (TR1)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Italy</th>
<th>Portugal</th>
<th>The Netherlands</th>
<th>Finland</th>
<th>Denmark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid 64-19-7</td>
<td>TWA 10 ppm</td>
<td>STEL 15 ppm</td>
<td>TWA 5 ppm</td>
<td>TWA 10 ppm</td>
<td>TWA 10 ppm</td>
</tr>
<tr>
<td></td>
<td>TWA 15 ppm</td>
<td>TWA 25 mg/m³</td>
<td>TWA 13 mg/m³</td>
<td>TWA 25 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Sodium borate 1330-43-4</td>
<td>TWA 2 mg/m³</td>
<td>STEL 6 mg/m³</td>
<td>TWA 10 ppm</td>
<td>TWA 1 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STEL 6 mg/m³</td>
<td>STEL 25 mg/m³</td>
<td>STEL 25 mg/m³</td>
<td>STEL 25 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Austria</th>
<th>Switzerland</th>
<th>Poland</th>
<th>Norway</th>
<th>Ireland</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid 64-19-7</td>
<td>STEL 20 ppm</td>
<td>TWA 10 ppm</td>
<td>TWA 10 ppm</td>
<td>TWA 10 ppm</td>
<td>TWA 10 ppm</td>
</tr>
<tr>
<td></td>
<td>STEL 50 mg/m³</td>
<td>STEL 25 mg/m³</td>
<td>STEL 25 mg/m³</td>
<td>STEL 25 mg/m³</td>
<td></td>
</tr>
<tr>
<td>Sodium borate 1330-43-4</td>
<td>STEL 15 ppm</td>
<td>TWA 10 ppm</td>
<td>TWA 10 ppm</td>
<td>TWA 10 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STEL 30 mg/m³</td>
<td>TWA 10 ppm</td>
<td>TWA 10 ppm</td>
<td>TWA 10 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R</td>
<td>TWA 20 ppm</td>
<td>TWA 20 ppm</td>
<td>TWA 20 ppm</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TWA 30 mg/m³</td>
<td>TWA 25 mg/m³</td>
<td>TWA 25 mg/m³</td>
<td>TWA 25 mg/m³</td>
<td></td>
</tr>
<tr>
<td></td>
<td>R</td>
<td>TWA 30 mg/m³</td>
<td>TWA 30 mg/m³</td>
<td>TWA 30 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Sweden</th>
<th>Greece</th>
<th>Belgium</th>
<th>Hungary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid 64-19-7</td>
<td>LLV 5 ppm</td>
<td>TWA 10 ppm</td>
<td>TWA 10 ppm</td>
<td>STEL 25 mg/m³</td>
</tr>
<tr>
<td></td>
<td>LLV 13 mg/m³</td>
<td>STEL 15 ppm</td>
<td>TWA 25 mg/m³</td>
<td>TWA 25 mg/m³</td>
</tr>
<tr>
<td></td>
<td>LLV 13 mg/m³</td>
<td>STEL 30 mg/m³</td>
<td>STEL 30 mg/m³</td>
<td>TWA 25 mg/m³</td>
</tr>
<tr>
<td>Sodium borate 1330-43-4</td>
<td>TWA 10 mg/m³</td>
<td>TWA 10 ppm</td>
<td>TWA 20 ppm</td>
<td>STEL 30 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA 25 mg/m³</td>
<td>STEL 30 mg/m³</td>
<td>TWA 30 mg/m³</td>
<td>STEL 30 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA 25 mg/m³</td>
<td>STEL 30 mg/m³</td>
<td>TWA 30 mg/m³</td>
<td>STEL 30 mg/m³</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Czech Republic</th>
<th>Luxembourg</th>
<th>Russia</th>
<th>Estonia</th>
</tr>
</thead>
</table>
### 9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Acetic acid 64-19-7</th>
<th>Sodium borate 1330-43-4</th>
<th>Ammonium thiosulfate 7783-18-8</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MAC</strong></td>
<td>TWA 10 ppm</td>
<td>TWA 25 mg/m³</td>
<td>TWA 10 mg/m³</td>
</tr>
<tr>
<td><strong>STEL</strong></td>
<td>TWA 25.0 mg/m³</td>
<td>TWA 10 ppm</td>
<td>TWA 10 ppm</td>
</tr>
<tr>
<td><strong>Break through time</strong></td>
<td>&gt;480 min</td>
<td>&gt;240 min</td>
<td>&gt;480 min</td>
</tr>
<tr>
<td><strong>Glove material</strong></td>
<td>Nitrile rubber</td>
<td>Neoprene</td>
<td>butyl-rubber</td>
</tr>
<tr>
<td><strong>Glove thickness</strong></td>
<td>&gt;=0.38 mm</td>
<td>&gt;=0.65</td>
<td>&gt;=0.36</td>
</tr>
</tbody>
</table>

**Derived No Effect Level**
No information available

**Predicted No Effect Concentration (PNEC)**
No information available

### Biological occupational exposure limits
No information available

### 8.2 Exposure controls

**Engineering measures**
Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment**

**General Information**
These recommendations apply to the product as supplied.

**Respiratory protection**
None under normal use conditions. In case of insufficient ventilation wear suitable respiratory equipment.

**Eye protection**
Tightly fitting safety goggles.

**Skin and body protection**
Wear suitable protective clothing.

**Hand protection**
Chemical resistant gloves.

**In case of full contact:**

<table>
<thead>
<tr>
<th>Glove material</th>
<th>Glove thickness</th>
<th>Break through time</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrile rubber</td>
<td>&gt;=0.38 mm</td>
<td>&gt;480 min</td>
<td></td>
</tr>
<tr>
<td>Neoprene</td>
<td>&gt;=0.65</td>
<td>&gt;240 min</td>
<td></td>
</tr>
<tr>
<td>Butyl-rubber</td>
<td>&gt;=0.36</td>
<td>&gt;480 min</td>
<td></td>
</tr>
</tbody>
</table>

**Hygiene measures**
Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls**
No information available.
9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Note - Method</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical state</strong></td>
<td>Liquid</td>
<td></td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>colourless</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>4.9</td>
<td>No information available</td>
</tr>
<tr>
<td>Melting point/range:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freezing point:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Freezing point/range (°F) VALUE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Boiling point/boiling range</td>
<td>&gt; 100 °C</td>
<td>No information available</td>
</tr>
<tr>
<td>Flash point:</td>
<td>Does not flash</td>
<td>No information available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability Limits in Air</td>
<td></td>
<td></td>
</tr>
<tr>
<td>upper flammability limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>lower flammability limit</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>18 mbar @ 20 °C</td>
<td>No information available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>0.6</td>
<td>No information available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.32</td>
<td>No information available</td>
</tr>
<tr>
<td>Relative density</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>completely soluble</td>
<td>No information available</td>
</tr>
<tr>
<td>Solubility in other solvents</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td></td>
<td>No information available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Viscosity:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosive properties</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No information available</td>
<td></td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>odourless</td>
<td>No information available</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

9.2 OTHER INFORMATION

- VOC Content: No information available
- Bulk density: No information available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4 Conditions to avoid

Heat, flames and sparks.
10.5 Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases. Contact with strong acids liberates sulphur dioxide. Contact with sodium hypochlorite (bleach) may form chloramine (toxic gas). Contact with strong bases liberates ammonia.

10.6 Hazardous decomposition products

Nitrogen oxides (NOx). Sulphur oxides.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Inhalation  No hazard from product as supplied.

Eye contact  May cause slight irritation.

Skin contact  Does not pose a potential of skin irritation and sensitization.

Ingestion  No hazard from product as supplied.

Acute toxicity - Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral (mg/kg)</th>
<th>LD50 Dermal (mg/kg)</th>
<th>LC50 Inhalation (mg/L)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>90,000 (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ammonium thiosulfate</td>
<td>&gt; 2000 (Rat)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetic acid</td>
<td>3310 (Rat)</td>
<td>1060 (Rabbit)</td>
<td>11.4 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Sodium sulfite</td>
<td>820 (Rat)</td>
<td></td>
<td>22 mg/L (Rat) 1 h 5.5 mg/L (Rat) 4 h</td>
</tr>
<tr>
<td>Sodium borate</td>
<td>2403 (Rat)</td>
<td>2000 (Rabbit)</td>
<td></td>
</tr>
</tbody>
</table>

Chemical Name | Other applicable information
--- | ---
Ammonium thiosulfate | No skin irritation
 | No eye irritation
Acetic acid | Severe eye irritation
 | Severe skin irritation
 | Acute overexposure to extremely high airborne concentrations of respiratory irritants has been associated with development of an asthma-like reactive airways syndrome (RADS) in susceptible individuals. Extremely high airborne concentrations are not generated during normal conditions of use but may occur following a spill. The potential to generate extremely high airborne concentrations in a spill situation depends upon physical factors such as the concentration of the solution, the volume of the spill, the surface area of the spill, the size of the room where the spill occurred, and the ventilation rate in the room.
Sodium sulfite | No skin irritation
 | Mild eye irritation
12. ECOLOGICAL INFORMATION

12.1 Toxicity

Ecotoxicity effects

Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants.

Product Information

No information available.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Toxicity to daphnia and other aquatic invertebrates</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid</td>
<td>LC50 = 79 mg/L Pimephales promelas 96 h LC50 = 75 mg/L Lepomis macrochirus 96 h</td>
<td>EC50 = 47 mg/L 24 h (Daphnia magna) EC50 = 65 mg/L 48 h (Daphnia magna)</td>
<td></td>
</tr>
<tr>
<td>Sodium sulfite</td>
<td>LC50 220 - 460 mg/L Leuciscus idus 96 h</td>
<td>LC50 = 330 mg/L 24 h (Psammechinus miliaris)</td>
<td></td>
</tr>
<tr>
<td>Sodium borate</td>
<td>158 mg/L EC50 96 h (Desmodesmus subspicatus) 2.6 - 21.8 mg/L EC50 96 h (Pseudokirchneriella subcapitata)</td>
<td>LC50 = 340 mg/L Limanda limanda 96 h</td>
<td>LC50  1085 - 1402 mg/L 48 h (Daphnia magna)</td>
</tr>
</tbody>
</table>

Chronic aquatic toxicity

Product Information

No information available.

Component Information

No information available.

12.2 Persistence and degradability

Expected to be readily biodegradable.

12.3 Bioaccumulative potential

Bioaccumulative potential

No information available.
Partition coefficient: n-octanol/water

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid</td>
<td>-0.31</td>
</tr>
<tr>
<td>Sodium sulfite</td>
<td>-4</td>
</tr>
</tbody>
</table>

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

This information is provided to assist users in the correct disposal of working solutions prepared and used to Carestream Health specifications.

Working Solution

Waste material is currently classified as hazardous under Council Directive 91/689/EEC. The European Waste Catalogue Code is 09 01 04 Fixer solutions. Dispose according to the local regulations or guidelines that apply to the category of waste. Ensure the use of properly authorised waste management companies.

Waste from residues / unused products

Dispose of in accordance with local regulations.

Empty containers

If thoroughly cleaned, preferably by rinsing at least three times with small quantities of water, waste product packaging may be consigned for recovery or disposal as non-hazardous waste. Whenever possible, minimize waste by using the rinsing water to make up the working solution. The European Waste Catalogue Code is 15 01 02 plastic packaging.

Contaminated packaging

Waste product packaging contaminated by residues of hazardous contents should be consigned for disposal as hazardous waste. In this case, the European Waste Catalogue Code is 15 01 10 packaging containing residues of or contaminated by dangerous substances.

14. TRANSPORT INFORMATION

The information given below is provided to assist in documentation. It may supplement the information on the package. The package in your possession may have a different version of the label depending on the date of manufacture. Depending on inner packaging quantities and packaging instructions, it may be subject to specific regulatory exceptions. Please consult the product packaging for further details.

IMDG/IMO

not regulated
14.1. UN/ID No  not regulated
14.2. Proper shipping name  not regulated
14.3. Hazard Class  not regulated
14.4. Packing group  not regulated
14.5. Marine pollutant  None
14.6. Special Provisions  None

RID
14.1. UN/ID No  not regulated
14.2. Proper shipping name  not regulated
14.3. Hazard Class  not regulated
14.4. Packing group  not regulated
14.5. Classification Code  none
14.6. Special Provisions  None

ADR/RID
14.1. UN/ID No  not regulated
14.2. Proper shipping name  not regulated
14.3. Hazard Class  not regulated
14.4. Packing group  not regulated
14.5. Classification Code  None

ICAO
14.1. UN/ID No  not regulated
14.2. Proper shipping name  not regulated
14.3. Hazard Class  not regulated
14.4. Packing group  not regulated
14.5. Special Provisions  None

ICAO/IATA
14.1. UN/ID No  not regulated
14.2. Proper shipping name  not regulated
14.3. Hazard Class  not regulated
14.4. Packing group  not regulated
14.5. ERG Code  None
14.6. Special Provisions  None

15. REGULATORY INFORMATION

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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>96/82/EC (SEVESO) - §9</th>
<th>96/82/EC (SEVESO) - §6, §7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acetic acid - 64-19-7</td>
<td>50000</td>
<td>5000 tonne</td>
</tr>
</tbody>
</table>

International Inventories

EINECS/ELINCS: Complies
TSCA: Complies
DSL/NDSL: Complies
ENCS: Complies
IECSC: Complies
KECL: Complies
PICCS Complies
AICS Complies

Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCs - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2 Chemical Safety Assessment

No information available

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3
R10 - Flammable
R35 - Causes severe burns
R22 - Harmful if swallowed
R60 - May impair fertility
R61 - May cause harm to the unborn child

Full text of H-Statements referred to under sections 2 and 3
H314 - Causes severe skin burns and eye damage
H226 - Flammable liquid and vapour
H335 - May cause respiratory irritation
H302 - Harmful if swallowed
H360FD - May damage fertility. May damage the unborn child

Revision Date 2012-11-15

Revision Note Update to EU transitional SDS format.

Disclaimer
The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet