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

Identification of the substance or mixture

Product code       F1303
Product name       FDA (fluorescein diacetate)

Company/undertaking identification

Life Technologies
5791 Van Allen Way
PO Box 6482
Carlsbad, CA 92008
+1 760 603 7200

Life Technologies
5250 Mainway Drive
Burlington, ONT
CANADA L7L 6A4
800/263-6236

24 hour Emergency Response:
866-536-0631
301-431-8585
Outside of the U.S. +1-301-431-8585

Country specific Emergency Number (if available):
CHEMTREC Brazil (Rio De Janeiro) (+55)-2139581449 (português)

For Research Use Only. Not for use in diagnostic procedures.

SECTION 2: Hazards identification

GHS - Classification

Signal Word
Not Hazardous

Health hazards
Not Hazardous

Physical hazards
Not Hazardous

Hazard Statements
Not Applicable

Precautionary Statements
Not Applicable

Revision date   24-Jul-2015
Product code    F1303
Product name    FDA (fluorescein diacetate)
Principle Routes of Exposure

Potential Health Effects

<table>
<thead>
<tr>
<th>Route</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>eyes</td>
<td>May cause eye irritation with susceptible persons.</td>
</tr>
<tr>
<td>Skin</td>
<td>May cause skin irritation in susceptible persons.</td>
</tr>
<tr>
<td>inhalation</td>
<td>May be harmful by inhalation.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May be harmful if swallowed.</td>
</tr>
</tbody>
</table>

Specific effects

<table>
<thead>
<tr>
<th>Effect</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carcinogenic effects</td>
<td>None.</td>
</tr>
<tr>
<td>Mutagenic effects</td>
<td>Substances which cause concern for man owing to possible mutagenic effects but for which the available information is not adequate for making a satisfactory assessment.</td>
</tr>
<tr>
<td>Reproductive toxicity</td>
<td>None.</td>
</tr>
<tr>
<td>Sensitization</td>
<td>None.</td>
</tr>
</tbody>
</table>

Target Organ Effects

No known effects under normal use conditions.

HMIS

<table>
<thead>
<tr>
<th>Category</th>
<th>Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>0</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>0</td>
</tr>
</tbody>
</table>

SECTION 3: Composition/information on ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health.

SECTION 4: First aid measures

Skin contact

Rinse cautiously with water for several minutes. Immediate medical attention is not required.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Ingestion

Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice.

inhalation

Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary.

Notes to Physician

Treat symptomatically.

SECTION 5: Firefighting measures

Suitable extinguishing media


Special protective equipment for firefighters

Standard procedure for chemical fires.

SECTION 6: Accidental release measures

Personal precautions

Always wear recommended Personal Protective Equipment. Use personal protection equipment.

Methods for cleaning up

Take up mechanically, placing in appropriate containers for disposal.

Environmental precautions
No special environmental precautions required.

See Section 12 for more information.

**SECTION 7: Handling and storage**

**Handling**
Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

**Storage**
Keep in a dry, cool and well-ventilated place.

**SECTION 8: Exposure controls/personal protection**

**Exposure Limits**

We are not aware of any national exposure limit.

**Engineering measures**

Ensure adequate ventilation, especially in confined areas.

**Personal Protective Equipment**

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

**Respiratory protection**
In case of insufficient ventilation, wear suitable respiratory equipment.

**Hand protection**
Impervious gloves.

**Eye protection**
Wear safety glasses with side shields (or goggles).

**Skin and Body Protection**
Lightweight protective clothing.

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

**Environmental exposure controls**
No special environmental precautions required.

**SECTION 9: Physical and chemical properties**

**General information**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form</strong></td>
<td>solid</td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Odor</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Odor Threshold</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Boiling point / boiling range</strong></td>
<td>°C  No data available</td>
</tr>
<tr>
<td><strong>Melting point / melting range</strong></td>
<td>°C  No data available</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>°C  No data available</td>
</tr>
<tr>
<td><strong>Autoignition Temperature</strong></td>
<td>°C  No data available</td>
</tr>
<tr>
<td><strong>Oxidizing properties</strong></td>
<td>No information available</td>
</tr>
<tr>
<td><strong>Water solubility</strong></td>
<td>No data available</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>No data available</td>
</tr>
</tbody>
</table>

**SECTION 10: Stability and reactivity**

**Stability**
Stable under normal conditions.

**Materials to avoid**
No dangerous reaction known under conditions of normal use.

Revision date 24-Jul-2015
Product code F1303
Product name FDA (fluorescein diacetate)

www.lifetechnologies.com
SECTION 11: Toxicological information

**Acute Toxicity**

No toxicology information is available.

**Principle Routes of Exposure**

<table>
<thead>
<tr>
<th>Potential Health Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>eyes</td>
</tr>
<tr>
<td>Skin</td>
</tr>
<tr>
<td>inhalation</td>
</tr>
<tr>
<td>Ingestion</td>
</tr>
</tbody>
</table>

**Carcinogenic effects**

None.

**Mutagenic effects**

Substances which cause concern for man owing to possible mutagenic effects but for which the available information is not adequate for making a satisfactory assessment.

**Reproductive toxicity**

None.

**Sensitization**

None.

SECTION 12: Ecological information

**Ecotoxicity**

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

**Mobility**

No information available.

**Biodegradation**

Inherently biodegradable.

**Bioaccumulation**

Material does not bioaccumulate.

SECTION 13: Disposal considerations

Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport information

**IATA**

<table>
<thead>
<tr>
<th>Proper Shipping Name</th>
<th>No dangerous good in sense of these transport regulations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazard Class</td>
<td>None</td>
</tr>
<tr>
<td>Subsidiary class</td>
<td>None</td>
</tr>
<tr>
<td>Packing group</td>
<td>None</td>
</tr>
<tr>
<td>UN-No</td>
<td>None</td>
</tr>
</tbody>
</table>
SECTION 15: Regulatory information

US Federal Regulations

SARA 313
This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain HAPs.

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class
Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16: Other information

Reason for revision
SDS sections updated.

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End of Safety Data Sheet