Section 1. Identification

This product is considered an article. This Safety Data Sheet is written based on the encapsulated substance or mixture in this article.

1.1 Product identifier

Product name: Fluorescence Reference Set (6 BF), Part Number 6610010300
Part No. (Chemical Kit): 6610010300

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

Material uses: Analytical chemistry.

Block 1 - Anthracene - Naphthalene: 8 g
Block 2 - Ovalene: 8 g
Block 3 - p-Terphenyl: 8 g
Block 4 - Tetraphenylbutadiene: 8 g
Block 5 - Compound 610: 8 g
Block 6 - Rhodamine: 8 g

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer: Agilent Technologies, Inc.
5301 Stevens Creek Blvd
Santa Clara, CA 95051, USA
800-227-9770

1.4 Emergency telephone number

In case of emergency: CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product’s directions for use it may present potential health and safety hazards.

2.1 Classification of the substance or mixture

OSHA/HCS status: Block 1 - Anthracene - Naphthalene

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

OSHA/HCS status: Block 2 - Ovalene

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Date of issue: 08/02/2016
Section 2. Hazards identification

Classification of the substance or mixture
Not classified.

2.2 GHS label elements

Signal word:
Block 1 - Anthracene - Napthalene: No signal word.
Block 2 - Ovalene: No signal word.
Block 3 - p-Terphenyl: No signal word.
Block 4 - Tetraphenylbutadiene: No signal word.
Block 5 - Compound 610: No signal word.
Block 6 - Rhodamine: No signal word.

Hazard statements:
Block 1 - Anthracene - Napthalene: No known significant effects or critical hazards.
Block 2 - Ovalene: No known significant effects or critical hazards.
Block 3 - p-Terphenyl: No known significant effects or critical hazards.
Block 4 - Tetraphenylbutadiene: No known significant effects or critical hazards.
Block 5 - Compound 610: No known significant effects or critical hazards.
Block 6 - Rhodamine: No known significant effects or critical hazards.

Precautionary statements
Prevention:
Block 1 - Anthracene - Napthalene: Not applicable.
Block 2 - Ovalene: Not applicable.
Block 3 - p-Terphenyl: Not applicable.
Block 4 - Tetraphenylbutadiene: Not applicable.
Block 5 - Compound 610: Not applicable.
Block 6 - Rhodamine: Not applicable.

Response:
Block 1 - Anthracene - Napthalene: Not applicable.
Block 2 - Ovalene: Not applicable.
Block 3 - p-Terphenyl: Not applicable.
Block 4 - Tetraphenylbutadiene: Not applicable.
Block 5 - Compound 610: Not applicable.
Block 6 - Rhodamine: Not applicable.
### Section 2. Hazards identification

#### Storage

<table>
<thead>
<tr>
<th>Block</th>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Anthracene - Naphthalene</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>2</td>
<td>Ovalene</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>3</td>
<td>p-Terphenyl</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>4</td>
<td>Tetraphenylbutadiene</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>5</td>
<td>Compound 610</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>6</td>
<td>Rhodamine</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

#### Disposal

<table>
<thead>
<tr>
<th>Block</th>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Anthracene - Naphthalene</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>2</td>
<td>Ovalene</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>3</td>
<td>p-Terphenyl</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>4</td>
<td>Tetraphenylbutadiene</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>5</td>
<td>Compound 610</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>6</td>
<td>Rhodamine</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

#### Supplemental label elements

<table>
<thead>
<tr>
<th>Block</th>
<th>Substance</th>
<th>Label</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Anthracene - Naphthalene</td>
<td>None known.</td>
</tr>
<tr>
<td>2</td>
<td>Ovalene</td>
<td>None known.</td>
</tr>
<tr>
<td>3</td>
<td>p-Terphenyl</td>
<td>None known.</td>
</tr>
<tr>
<td>4</td>
<td>Tetraphenylbutadiene</td>
<td>None known.</td>
</tr>
<tr>
<td>5</td>
<td>Compound 610</td>
<td>None known.</td>
</tr>
<tr>
<td>6</td>
<td>Rhodamine</td>
<td>None known.</td>
</tr>
</tbody>
</table>

#### 2.3 Other hazards

#### Hazards not otherwise classified

<table>
<thead>
<tr>
<th>Block</th>
<th>Substance</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Anthracene - Naphthalene</td>
<td>None known.</td>
</tr>
<tr>
<td>2</td>
<td>Ovalene</td>
<td>None known.</td>
</tr>
<tr>
<td>3</td>
<td>p-Terphenyl</td>
<td>None known.</td>
</tr>
<tr>
<td>4</td>
<td>Tetraphenylbutadiene</td>
<td>None known.</td>
</tr>
<tr>
<td>5</td>
<td>Compound 610</td>
<td>None known.</td>
</tr>
<tr>
<td>6</td>
<td>Rhodamine</td>
<td>None known.</td>
</tr>
</tbody>
</table>

### Section 3. Composition/information on ingredients

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product’s directions for use it may present potential health and safety hazards.

#### Substance/mixture

<table>
<thead>
<tr>
<th>Block</th>
<th>Substance</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Anthracene - Naphthalene</td>
<td>Mixture (encapsulated in article)</td>
</tr>
<tr>
<td>2</td>
<td>Ovalene</td>
<td>Mixture (encapsulated in article)</td>
</tr>
<tr>
<td>3</td>
<td>p-Terphenyl</td>
<td>Mixture (encapsulated in article)</td>
</tr>
<tr>
<td>4</td>
<td>Tetraphenylbutadiene</td>
<td>Mixture (encapsulated in article)</td>
</tr>
<tr>
<td>5</td>
<td>Compound 610</td>
<td>Mixture (encapsulated in article)</td>
</tr>
<tr>
<td>6</td>
<td>Rhodamine</td>
<td>Mixture (encapsulated in article)</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### 4.1 Description of necessary first aid measures

#### Eye contact

<table>
<thead>
<tr>
<th>Block</th>
<th>Substance</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Anthracene - Naphthalene</td>
<td>Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.</td>
</tr>
<tr>
<td>2</td>
<td>Ovalene</td>
<td>Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.</td>
</tr>
<tr>
<td>3</td>
<td>p-Terphenyl</td>
<td>Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.</td>
</tr>
</tbody>
</table>

Date of issue: 08/02/2016
Section 4. First aid measures

Block 1 - Anthracene - Napthalene
- Wash out mouth with water.
- Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- Get medical attention if symptoms occur.

Inhalation:
- Block 1 - Anthracene - Napthalene: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact:
- Block 1 - Anthracene - Napthalene: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion:
- Block 1 - Anthracene - Napthalene: Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
### Section 4. First aid measures

<table>
<thead>
<tr>
<th>Block</th>
<th>First Aid Measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block 2 - Ovalene</td>
<td>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>Block 3 - p-Terphenyl</td>
<td>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>Block 4 - Tetraphenylbutadiene</td>
<td>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>Block 5 - Compound 610</td>
<td>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</td>
</tr>
<tr>
<td>Block 6 - Rhodamine</td>
<td>Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.</td>
</tr>
</tbody>
</table>

### 4.2 Most important symptoms/effects, acute and delayed

#### Potential acute health effects

- **Eye contact**
  - No known significant effects or critical hazards.
  - No known significant effects or critical hazards.
  - No known significant effects or critical hazards.
  - No known significant effects or critical hazards.
  - No known significant effects or critical hazards.
  - No known significant effects or critical hazards.

- **Inhalation**
  - No known significant effects or critical hazards.
  - No known significant effects or critical hazards.
  - No known significant effects or critical hazards.
  - No known significant effects or critical hazards.
  - No known significant effects or critical hazards.
  - No known significant effects or critical hazards.

- **Skin contact**
  - No known significant effects or critical hazards.
  - No known significant effects or critical hazards.
  - No known significant effects or critical hazards.
  - No known significant effects or critical hazards.
  - No known significant effects or critical hazards.
  - No known significant effects or critical hazards.
Section 4. First aid measures

Ingestion:
- Block 1 - Anthracene - Naphthalene: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Block 2 - Ovalene: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Block 3 - p-Terphenyl: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Block 4 - Tetraphenylbutadiene: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Block 5 - Compound 610: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Block 6 - Rhodamine: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Over-exposure signs/symptoms:

Eye contact:
- Block 1 - Anthracene - Naphthalene: No specific data.
- Block 2 - Ovalene: No specific data.
- Block 3 - p-Terphenyl: No specific data.
- Block 4 - Tetraphenylbutadiene: No specific data.
- Block 5 - Compound 610: No specific data.
- Block 6 - Rhodamine: No specific data.

Inhalation:
- Block 1 - Anthracene - Naphthalene: No specific data.
- Block 2 - Ovalene: No specific data.
- Block 3 - p-Terphenyl: No specific data.
- Block 4 - Tetraphenylbutadiene: No specific data.
- Block 5 - Compound 610: No specific data.
- Block 6 - Rhodamine: No specific data.

Skin contact:
- Block 1 - Anthracene - Naphthalene: No specific data.
- Block 2 - Ovalene: No specific data.
- Block 3 - p-Terphenyl: No specific data.
- Block 4 - Tetraphenylbutadiene: No specific data.
- Block 5 - Compound 610: No specific data.
- Block 6 - Rhodamine: No specific data.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician:
- Block 1 - Anthracene - Naphthalene: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Block 2 - Ovalene: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Block 3 - p-Terphenyl: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Block 4 - Tetraphenylbutadiene: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Block 5 - Compound 610: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Block 6 - Rhodamine: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments:
- Block 1 - Anthracene - Naphthalene: No specific treatment.
- Block 2 - Ovalene: No specific treatment.
- Block 3 - p-Terphenyl: No specific treatment.
- Block 4 - Tetraphenylbutadiene: No specific treatment.
- Block 5 - Compound 610: No specific treatment.
- Block 6 - Rhodamine: No specific treatment.

Date of issue: 08/02/2016
Section 4. First aid measures

Protection of first-aiders:

- Block 1 - Anthracene - Naphthalene: No action shall be taken involving any personal risk or without suitable training.
- Block 2 - Ovalene: No action shall be taken involving any personal risk or without suitable training.
- Block 3 - p-Terphenyl: No action shall be taken involving any personal risk or without suitable training.
- Block 4 - Tetraphenylbutadiene: No action shall be taken involving any personal risk or without suitable training.
- Block 5 - Compound 610: No action shall be taken involving any personal risk or without suitable training.
- Block 6 - Rhodamine: No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media:

- Block 1 - Anthracene - Naphthalene: Use an extinguishing agent suitable for the surrounding fire.
- Block 2 - Ovalene: Use an extinguishing agent suitable for the surrounding fire.
- Block 3 - p-Terphenyl: Use an extinguishing agent suitable for the surrounding fire.
- Block 4 - Tetraphenylbutadiene: Use an extinguishing agent suitable for the surrounding fire.
- Block 5 - Compound 610: Use an extinguishing agent suitable for the surrounding fire.
- Block 6 - Rhodamine: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media:

- Block 1 - Anthracene - Naphthalene: None known.
- Block 2 - Ovalene: None known.
- Block 3 - p-Terphenyl: None known.
- Block 4 - Tetraphenylbutadiene: None known.
- Block 5 - Compound 610: None known.
- Block 6 - Rhodamine: None known.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical:

- Block 1 - Anthracene - Naphthalene: No specific fire or explosion hazard.
- Block 2 - Ovalene: No specific fire or explosion hazard.
- Block 3 - p-Terphenyl: No specific fire or explosion hazard.
- Block 4 - Tetraphenylbutadiene: No specific fire or explosion hazard.
- Block 5 - Compound 610: No specific fire or explosion hazard.
- Block 6 - Rhodamine: No specific fire or explosion hazard.

Hazardous thermal decomposition products:

- Block 1 - Anthracene - Naphthalene: Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide

- Block 2 - Ovalene: Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide

- Block 3 - p-Terphenyl: Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide

- Block 4 - Tetraphenylbutadiene: Decomposition products may include the following materials:
Section 5. Fire-fighting measures

5.3 Advice for firefighters

Block 1 - Anthracene - Naphthalene

Special protective actions for fire-fighters

- Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Block 2 - Ovalene

- Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Block 3 - p-Terphenyl

- Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Block 4 - Tetraphenylbutadiene

- Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Block 5 - Compound 610

- Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Block 6 - Rhodamine

- Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters

- Block 1 - Anthracene - Naphthalene
  - Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

- Block 2 - Ovalene
  - Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

- Block 3 - p-Terphenyl
  - Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

- Block 4 - Tetraphenylbutadiene
  - Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

- Block 5 - Compound 610
  - Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

- Block 6 - Rhodamine
  - Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

5.3.1 Decomposition products

Block 5 - Compound 610

- Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide

Block 6 - Rhodamine

- Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide
Fluorescence Reference Set (6 BF), Part Number 6610010300

Section 5. Fire-fighting measures

equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:

Block 1 - Anthracene - Napthalene
No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Block 2 - Ovalene
No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Block 3 - p-Terphenyl
No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Block 4 - Tetraphenylbutadiene
No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Block 5 - Compound 610
No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

Block 6 - Rhodamine
No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders:

Block 1 - Anthracene - Napthalene
If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Block 2 - Ovalene
If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Block 3 - p-Terphenyl
If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Block 4 - Tetraphenylbutadiene
If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Date of issue: 08/02/2016
Section 6. Accidental release measures

6.2 Environmental precautions

Block 1 - Anthracene - Napthalene
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Block 2 - Ovalene
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Block 3 - p-Terphenyl
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Block 4 - Tetraphenylbutadiene
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Block 5 - Compound 610
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Block 6 - Rhodamine
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up

Block 1 - Anthracene - Napthalene
Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Block 2 - Ovalene
Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Block 3 - p-Terphenyl
Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Block 4 - Tetraphenylbutadiene
Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Block 5 - Compound 610
Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Block 6 - Rhodamine
Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
Section 6. Accidental release measures

Block 6 - Rhodamine
Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

7.1 Precautions for safe handling

**Protective measures**
- Block 1 - Anthracene - Napthalene
  - Put on appropriate personal protective equipment (see Section 8).
- Block 2 - Ovalene
  - Put on appropriate personal protective equipment (see Section 8).
- Block 3 - p-Terphenyl
  - Put on appropriate personal protective equipment (see Section 8).
- Block 4 - Tetraphenylbutadiene
  - Put on appropriate personal protective equipment (see Section 8).
- Block 5 - Compound 610
  - Put on appropriate personal protective equipment (see Section 8).
- Block 6 - Rhodamine
  - Put on appropriate personal protective equipment (see Section 8).

**Advice on general occupational hygiene**
- Block 1 - Anthracene - Napthalene
  - Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Block 2 - Ovalene
  - Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Block 3 - p-Terphenyl
  - Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Block 4 - Tetraphenylbutadiene
  - Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Block 5 - Compound 610
  - Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
- Block 6 - Rhodamine
  - Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Section 7. Handling and storage

7.2 Conditions for safe storage, including any incompatibilities

Block 1 - Anthracene - Napthalene
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Block 2 - Ovalene
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Block 3 - p-Terphenyl
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Block 4 - Tetracylenylbutadiene
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Block 5 - Compound 610
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Block 6 - Rhodamine
Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.
Section 7. Handling and storage

dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

**Recommendations**

| Block 1 - Anthracene - Naphthlene | Industrial applications, Professional applications. |
| Block 2 - Ovalene                | Industrial applications, Professional applications. |
| Block 3 - p-Terphenyl            | Industrial applications, Professional applications. |
| Block 4 - Tetraphenylbutadiene  | Industrial applications, Professional applications. |
| Block 5 - Compound 610          | Industrial applications, Professional applications. |
| Block 6 - Rhodamine             | Industrial applications, Professional applications. |

**Industrial sector specific solutions**

| Block 1 - Anthracene - Naphthlene | Not applicable. |
| Block 2 - Ovalene                | Not applicable. |
| Block 3 - p-Terphenyl            | Not applicable. |
| Block 4 - Tetraphenylbutadiene  | Not applicable. |
| Block 5 - Compound 610          | Not applicable. |
| Block 6 - Rhodamine             | Not applicable. |

Section 8. Exposure controls/personal protection

Since the hazardous ingredient in this article is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

**8.1 Control parameters**

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>None.</td>
<td></td>
</tr>
</tbody>
</table>

**8.2 Exposure controls**

**Appropriate engineering controls**

Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**Individual protection measures**

**Hygiene measures**

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Section 8. Exposure controls/personal protection

**Hand protection**: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Body protection**: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection**: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection**: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance


**Odor**: Block 1 - Anthracene - Naphthalene Not available. Block 2 - Ovalene Not available. Block 3 - p-Terphenyl Not available. Block 4 - Tetraphenylbutadiene Not available. Block 5 - Compound 610 Not available. Block 6 - Rhodamine Not available.

**Odor threshold**: Block 1 - Anthracene - Naphthalene Not available. Block 2 - Ovalene Not available. Block 3 - p-Terphenyl Not available. Block 4 - Tetraphenylbutadiene Not available. Block 5 - Compound 610 Not available. Block 6 - Rhodamine Not available.

**pH**: Block 1 - Anthracene - Naphthalene Not available. Block 2 - Ovalene Not available. Block 3 - p-Terphenyl Not available. Block 4 - Tetraphenylbutadiene Not available. Block 5 - Compound 610 Not available. Block 6 - Rhodamine Not available.

**Melting point**: Block 1 - Anthracene - Naphthalene Not available. Block 2 - Ovalene Not available. Block 3 - p-Terphenyl Not available. Block 4 - Tetraphenylbutadiene Not available. Block 5 - Compound 610 Not available. Block 6 - Rhodamine Not available.
### Section 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Block 1 - Anthracene - Napthalene</th>
<th>Block 2 - Ovalene</th>
<th>Block 3 - p-Terphenyl</th>
<th>Block 4 - Tetraphenylbutadiene</th>
<th>Block 5 - Compound 610</th>
<th>Block 6 - Rhodamine</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling point</td>
<td>Not available.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lower and upper explosive (flammable) limits</td>
<td>Not available.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Relative density</td>
<td>1.15</td>
<td>1.15</td>
<td>1.15</td>
<td>1.15</td>
<td>1.15</td>
<td>1.15</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in the following materials: cold water and hot water.</td>
<td>Insoluble in the following materials: cold water and hot water.</td>
<td>Insoluble in the following materials: cold water and hot water.</td>
<td>Insoluble in the following materials: cold water and hot water.</td>
<td>Insoluble in the following materials: cold water and hot water.</td>
<td></td>
</tr>
</tbody>
</table>

**Date of issue:** 08/02/2016
Section 9. Physical and chemical properties

### Block 6 - Rhodamine
- Insoluble in the following materials: cold water and hot water.

#### Partition coefficient: n-octanol/water
- Block 1 - Anthracene - Naphthalene: Not available.
- Block 2 - Ovalene: Not available.
- Block 3 - p-Terphenyl: Not available.
- Block 4 - Tetraphenylbutadiene: Not available.
- Block 5 - Compound 610: Not available.
- Block 6 - Rhodamine: Not available.

#### Auto-ignition temperature
- Block 1 - Anthracene - Naphthalene: Not available.
- Block 2 - Ovalene: Not available.
- Block 3 - p-Terphenyl: Not available.
- Block 4 - Tetraphenylbutadiene: Not available.
- Block 5 - Compound 610: Not available.
- Block 6 - Rhodamine: Not available.

#### Decomposition temperature
- Block 1 - Anthracene - Naphthalene: Not available.
- Block 2 - Ovalene: Not available.
- Block 3 - p-Terphenyl: Not available.
- Block 4 - Tetraphenylbutadiene: Not available.
- Block 5 - Compound 610: Not available.
- Block 6 - Rhodamine: Not available.

#### Viscosity
- Block 1 - Anthracene - Naphthalene: Not available.
- Block 2 - Ovalene: Not available.
- Block 3 - p-Terphenyl: Not available.
- Block 4 - Tetraphenylbutadiene: Not available.
- Block 5 - Compound 610: Not available.
- Block 6 - Rhodamine: Not available.

Section 10. Stability and reactivity

### 10.1 Reactivity
- Block 1 - Anthracene - Naphthalene: No specific test data related to reactivity available for this product or its ingredients.
- Block 2 - Ovalene: No specific test data related to reactivity available for this product or its ingredients.
- Block 3 - p-Terphenyl: No specific test data related to reactivity available for this product or its ingredients.
- Block 4 - Tetraphenylbutadiene: No specific test data related to reactivity available for this product or its ingredients.
- Block 5 - Compound 610: No specific test data related to reactivity available for this product or its ingredients.
- Block 6 - Rhodamine: No specific test data related to reactivity available for this product or its ingredients.

### 10.2 Chemical stability
- Block 1 - Anthracene - Naphthalene: The product is stable.
- Block 2 - Ovalene: The product is stable.
- Block 3 - p-Terphenyl: The product is stable.
- Block 4 - Tetraphenylbutadiene: The product is stable.
- Block 5 - Compound 610: The product is stable.
- Block 6 - Rhodamine: The product is stable.

### 10.3 Possibility of hazardous reactions
- Block 1 - Anthracene - Naphthalene: Under normal conditions of storage and use, hazardous reactions will not occur.
- Block 2 - Ovalene: Under normal conditions of storage and use, hazardous reactions will not occur.
- Block 3 - p-Terphenyl: Under normal conditions of storage and use, hazardous reactions will not occur.
- Block 4 - Tetraphenylbutadiene: Under normal conditions of storage and use, hazardous reactions will not occur.

Date of issue: 08/02/2016
## Section 10. Stability and reactivity

| Block 5 - Compound 610 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Block 6 - Rhodamine  | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

### 10.4 Conditions to avoid

| Block 1 - Anthracene - Napthalene | No specific data. |
| Block 2 - Ovalene  | No specific data. |
| Block 3 - p-Terphenyl | No specific data. |
| Block 4 - Tetraphenylbutadiene | No specific data. |
| Block 5 - Compound 610 | No specific data. |
| Block 6 - Rhodamine  | No specific data. |

### 10.5 Incompatible materials

| Block 1 - Anthracene - Napthalene | May react or be incompatible with oxidizing materials. |
| Block 2 - Ovalene  | May react or be incompatible with oxidizing materials. |
| Block 3 - p-Terphenyl | May react or be incompatible with oxidizing materials. |
| Block 4 - Tetraphenylbutadiene | May react or be incompatible with oxidizing materials. |
| Block 5 - Compound 610 | May react or be incompatible with oxidizing materials. |
| Block 6 - Rhodamine  | May react or be incompatible with oxidizing materials. |

### 10.6 Hazardous decomposition products

| Block 1 - Anthracene - Napthalene | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Block 2 - Ovalene  | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Block 3 - p-Terphenyl | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Block 4 - Tetraphenylbutadiene | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Block 5 - Compound 610 | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Block 6 - Rhodamine  | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not available.

#### Irritation/Corrosion

Not available.

#### Sensitization

Not available.

**Date of issue:** 08/02/2016
Section 11. Toxicological information

**Mutagenicity**
Not available.

**Carcinogenicity**
Not available.

**Reproductive toxicity**
Not available.

**Teratogenicity**
Not available.

**Specific target organ toxicity (single exposure)**
Not available.

**Specific target organ toxicity (repeated exposure)**
Not available.

**Aspiration hazard**
Not available.

Information on the likely routes of exposure:

- **Inhalation**
  - Block 1 - Anthracene - Napthalene: Not available.
  - Block 2 - Ovalene: Not available.
  - Block 3 - p-Terphenyl: Not available.
  - Block 4 - Tetraphenylbutadiene: Not available.
  - Block 5 - Compound 610: Not available.
  - Block 6 - Rhodamine: Not available.

- **Ingestion**
  - Block 1 - Anthracene - Napthalene: Not available.
  - Block 2 - Ovalene: Not available.
  - Block 3 - p-Terphenyl: Not available.
  - Block 4 - Tetraphenylbutadiene: Not available.
  - Block 5 - Compound 610: Not available.
  - Block 6 - Rhodamine: Not available.

- **Skin contact**
  - Block 1 - Anthracene - Napthalene: Not available.
  - Block 2 - Ovalene: Not available.
  - Block 3 - p-Terphenyl: Not available.
  - Block 4 - Tetraphenylbutadiene: Not available.
  - Block 5 - Compound 610: Not available.
  - Block 6 - Rhodamine: Not available.

- **Eye contact**
  - Block 1 - Anthracene - Napthalene: Not available.
  - Block 2 - Ovalene: Not available.
  - Block 3 - p-Terphenyl: Not available.
  - Block 4 - Tetraphenylbutadiene: Not available.
  - Block 5 - Compound 610: Not available.
  - Block 6 - Rhodamine: Not available.

Potential acute health effects:

**Eye contact**
- Block 1 - Anthracene - Napthalene: No known significant effects or critical hazards.
- Block 2 - Ovalene: No known significant effects or critical hazards.
- Block 3 - p-Terphenyl: No known significant effects or critical hazards.
- Block 4 - Tetraphenylbutadiene: No known significant effects or critical hazards.
- Block 5 - Compound 610: No known significant effects or critical hazards.
- Block 6 - Rhodamine: No known significant effects or critical hazards.

**Inhalation**
- Block 1 - Anthracene - Napthalene: No known significant effects or critical hazards.
- Block 2 - Ovalene: No known significant effects or critical hazards.
- Block 3 - p-Terphenyl: No known significant effects or critical hazards.
- Block 4 - Tetraphenylbutadiene: No known significant effects or critical hazards.
- Block 5 - Compound 610: No known significant effects or critical hazards.
- Block 6 - Rhodamine: No known significant effects or critical hazards.

**Skin contact**
- Block 1 - Anthracene - Napthalene: No known significant effects or critical hazards.
- Block 2 - Ovalene: No known significant effects or critical hazards.
- Block 3 - p-Terphenyl: No known significant effects or critical hazards.
- Block 4 - Tetraphenylbutadiene: No known significant effects or critical hazards.
- Block 5 - Compound 610: No known significant effects or critical hazards.
- Block 6 - Rhodamine: No known significant effects or critical hazards.

**Ingestion**
- Block 1 - Anthracene - Napthalene: No known significant effects or critical hazards.
- Block 2 - Ovalene: No known significant effects or critical hazards.
- Block 3 - p-Terphenyl: No known significant effects or critical hazards.
- Block 4 - Tetraphenylbutadiene: No known significant effects or critical hazards.
- Block 5 - Compound 610: No known significant effects or critical hazards.
- Block 6 - Rhodamine: No known significant effects or critical hazards.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Date of issue:** 08/02/2016
Section 11. Toxicological information

**Eye contact**
- Block 1 - Anthracene - Naphthalene: No specific data.
- Block 2 - Ovalene: No specific data.
- Block 3 - p-Terphenyl: No specific data.
- Block 4 - Tetraphenylbutadiene: No specific data.
- Block 5 - Compound 610: No specific data.
- Block 6 - Rhodamine: No specific data.

**Inhalation**
- Block 1 - Anthracene - Naphthalene: No specific data.
- Block 2 - Ovalene: No specific data.
- Block 3 - p-Terphenyl: No specific data.
- Block 4 - Tetraphenylbutadiene: No specific data.
- Block 5 - Compound 610: No specific data.
- Block 6 - Rhodamine: No specific data.

**Skin contact**
- Block 1 - Anthracene - Naphthalene: No specific data.
- Block 2 - Ovalene: No specific data.
- Block 3 - p-Terphenyl: No specific data.
- Block 4 - Tetraphenylbutadiene: No specific data.
- Block 5 - Compound 610: No specific data.
- Block 6 - Rhodamine: No specific data.

**Ingestion**
- Block 1 - Anthracene - Naphthalene: No specific data.
- Block 2 - Ovalene: No specific data.
- Block 3 - p-Terphenyl: No specific data.
- Block 4 - Tetraphenylbutadiene: No specific data.
- Block 5 - Compound 610: No specific data.
- Block 6 - Rhodamine: No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

**Short term exposure**
- Potential immediate effects: Not available.
- Potential delayed effects: Not available.

**Long term exposure**
- Potential immediate effects: Not available.
- Potential delayed effects: Not available.

**Potential chronic health effects**

**General**
- Block 1 - Anthracene - Naphthalene: No known significant effects or critical hazards.
- Block 2 - Ovalene: No known significant effects or critical hazards.
- Block 3 - p-Terphenyl: No known significant effects or critical hazards.
- Block 4 - Tetraphenylbutadiene: No known significant effects or critical hazards.
- Block 5 - Compound 610: No known significant effects or critical hazards.
- Block 6 - Rhodamine: No known significant effects or critical hazards.

**Carcinogenicity**
- Block 1 - Anthracene - Naphthalene: No known significant effects or critical hazards.
- Block 2 - Ovalene: No known significant effects or critical hazards.
- Block 3 - p-Terphenyl: No known significant effects or critical hazards.
- Block 4 - Tetraphenylbutadiene: No known significant effects or critical hazards.
- Block 5 - Compound 610: No known significant effects or critical hazards.
- Block 6 - Rhodamine: No known significant effects or critical hazards.

**Mutagenicity**
- Block 1 - Anthracene - Naphthalene: No known significant effects or critical hazards.
- Block 2 - Ovalene: No known significant effects or critical hazards.
- Block 3 - p-Terphenyl: No known significant effects or critical hazards.
- Block 4 - Tetraphenylbutadiene: No known significant effects or critical hazards.
- Block 5 - Compound 610: No known significant effects or critical hazards.
- Block 6 - Rhodamine: No known significant effects or critical hazards.
## Section 11. Toxicological information

**Teratogenicity**

| Block 1 - Anthracene - Napthalene | No known significant effects or critical hazards. |
| Block 2 - Ovalene                  | No known significant effects or critical hazards. |
| Block 3 - p-Terphenyl              | No known significant effects or critical hazards. |
| Block 4 - Tetraphenylbutadiene    | No known significant effects or critical hazards. |
| Block 5 - Compound 610            | No known significant effects or critical hazards. |
| Block 6 - Rhodamine               | No known significant effects or critical hazards. |

**Developmental effects**

| Block 1 - Anthracene - Napthalene | No known significant effects or critical hazards. |
| Block 2 - Ovalene                  | No known significant effects or critical hazards. |
| Block 3 - p-Terphenyl              | No known significant effects or critical hazards. |
| Block 4 - Tetraphenylbutadiene    | No known significant effects or critical hazards. |
| Block 5 - Compound 610            | No known significant effects or critical hazards. |
| Block 6 - Rhodamine               | No known significant effects or critical hazards. |

**Fertility effects**

| Block 1 - Anthracene - Napthalene | No known significant effects or critical hazards. |
| Block 2 - Ovalene                  | No known significant effects or critical hazards. |
| Block 3 - p-Terphenyl              | No known significant effects or critical hazards. |
| Block 4 - Tetraphenylbutadiene    | No known significant effects or critical hazards. |
| Block 5 - Compound 610            | No known significant effects or critical hazards. |
| Block 6 - Rhodamine               | No known significant effects or critical hazards. |

### Numerical measures of toxicity

**Acute toxicity estimates**

Not available.

## Section 12. Ecological information

**12.1 Toxicity**

Not available.

**12.2 Persistence and degradability**

Not available.

**12.3 Bioaccumulative potential**

Not available.

**12.4 Mobility in soil**

Soil/water partition coefficient ($K_{oc}$) : Not available.

**12.5 Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**13.1 Waste treatment methods**

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a
Section 13. Disposal considerations

safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

This Safety Data Sheet is written based on the encapsulated substance or mixture in this article. Since the hazardous ingredient is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

Regulatory information

DOT / IMDG / IATA : Not regulated.

Section 15. Regulatory information

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

U.S. Federal regulations

Clean Air Act  Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act  Section 602 Class I Substances : Not listed

Clean Air Act  Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

TSCA 8(a) PAIR: naphthalene

United States inventory (TSCA 8b): All components are listed or exempted.

Clean Water Act (CWA) 307: Anthracene; naphthalene

Clean Water Act (CWA) 311: naphthalene

Clean Air Act  Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

No products were found.

State regulations

Date of issue : 08/02/2016
Section 15. Regulatory information

Massachusetts: None of the components are listed.
New York: None of the components are listed.
New Jersey: None of the components are listed.
Pennsylvania: None of the components are listed.

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Cancer</th>
<th>Reproductive</th>
<th>No significant risk level</th>
<th>Maximum acceptable dosage level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Block 1 - Anthracene - Naphthalene</td>
<td>Yes.</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
<tr>
<td>Anthracene</td>
<td>Yes.</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
<tr>
<td>Naphthalene</td>
<td>Yes.</td>
<td>No.</td>
<td>Yes.</td>
<td>No.</td>
</tr>
<tr>
<td>Block 6 - Rhodamine</td>
<td>Yes.</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
<tr>
<td>9-(2-Carboxyphenyl)-3,6-bis</td>
<td>Yes.</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
<tr>
<td>(diethylylamino)xanthylum chloride</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Canada inventory: Not determined.

International regulations:

International lists:
- Australia inventory (AICS): All components are listed or exempted.
- China inventory (IECSC): All components are listed or exempted.
- Japan inventory (ENCS): All components are listed or exempted.
- Japan inventory (ISHL): All components are listed or exempted.
- Korea inventory: Not determined.
- Malaysia Inventory (EHS Register): All components are listed or exempted.
- New Zealand Inventory of Chemicals (NZIoC): Not determined.
- Philippines inventory (PICCS): Not determined.
- Taiwan Chemical Substances Inventory (TCSI): All components are listed or exempted.
- Turkey inventory: Not determined.

Chemical Weapons Convention List Schedule I Chemicals: Not listed

Chemical Weapons Convention List Schedule II Chemicals: Not listed

Chemical Weapons Convention List Schedule III Chemicals: Not listed

Section 16. Other information

History
Date of issue: 08/02/2016
Date of previous issue: 09/22/2014.
Version: 3

Indicates information that has changed from previously issued version.

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