

SAFETY DATA SHEET



Fluorescence Reference Set (6 BF), Part Number 6610010300

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

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
Part no.	: 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.

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

Material uses	: Reagents and Standards for Analytical Chemistry Laboratory Use
	Block 1 - Anthracene - Napthalene 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

Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
0800 603 1000

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation) : CHEMTREC®: +(44)-870-8200418

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

SECTION 2: Hazards identification

Product definition	:	Block 1 - Anthracene - Naphthalene	Mixture (encapsulated in article)
		Block 2 - Ovalene	Mixture (encapsulated in article)
		Block 3 - p-Terphenyl	Mixture (encapsulated in article)
		Block 4 - Tetraphenylbutadiene	Mixture (encapsulated in article)
		Block 5 - Compound 610	Mixture (encapsulated in article)
		Block 6 - Rhodamine	Mixture (encapsulated in article)

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Not classified.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word	:	Block 1 - Anthracene - Naphthalene	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 - 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.

Precautionary statements

Prevention	:	Block 1 - Anthracene - Naphthalene	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 - Naphthalene	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.
Storage	:	Block 1 - Anthracene - Naphthalene	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.

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SECTION 2: Hazards identification

Disposal	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Supplemental label elements	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.
Special packaging requirements		
Tactile warning of danger	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	Not applicable. Not applicable. Not applicable. Not applicable. Not applicable. Not applicable.

2.3 Other hazards

Other hazards which do not result in classification	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	None known. None known. None known. None known. None known. None known.
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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.

3.1 Substances	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	Mixture (encapsulated in article) Mixture (encapsulated in article) Mixture (encapsulated in article) Mixture (encapsulated in article) Mixture (encapsulated in article) Mixture (encapsulated in article)
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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, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

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SECTION 3: Composition/information on ingredients

There are no additional 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.

Type

- [1] Substance classified with a health or environmental hazard
- [2] Substance with a workplace exposure limit
- [3] Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
- [4] Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
- [5] Substance of equivalent concern
- [6] Additional disclosure due to company policy

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact	: Block 1 - Anthracene - Naphthalene	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.
	Block 2 - Ovalene	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.
	Block 3 - p-Terphenyl	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.
	Block 4 - Tetraphenylbutadiene	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.
	Block 5 - Compound 610	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.
	Block 6 - Rhodamine	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.
Inhalation	: Block 1 - Anthracene - Naphthalene	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Block 2 - Ovalene	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Block 3 - p-Terphenyl	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Block 4 - Tetraphenylbutadiene	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Block 5 - Compound 610	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Block 6 - Rhodamine	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 - Naphthalene	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Block 2 - Ovalene	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Block 3 - p-Terphenyl	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Block 4 - Tetraphenylbutadiene	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

SECTION 4: First aid measures

	Block 5 - Compound 610	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Block 6 - Rhodamine	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.
	Block 2 - Ovalene	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.
	Block 3 - p-Terphenyl	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.
	Block 4 - Tetraphenylbutadiene	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.
	Block 5 - Compound 610	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.
	Block 6 - Rhodamine	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.
Protection of first-aiders	: Block 1 - Anthracene - Napthalene	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.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

SECTION 4: First aid measures

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.

Over-exposure signs/symptoms

Eye contact	: 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.
Inhalation	: 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.
Skin contact	: 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.

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SECTION 4: First aid measures

Ingestion	: 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.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician	: Block 1 - Anthracene - Napthalene	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 - Napthalene	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.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Block 1 - Anthracene - Napthalene	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 - Napthalene	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

Hazards from the substance or mixture	: Block 1 - Anthracene - Napthalene	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.

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SECTION 5: Firefighting measures

Hazardous combustion products	: Block 1 - Anthracene - Napthalene	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: carbon dioxide carbon monoxide
	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

5.3 Advice for firefighters

Special precautions for fire-fighters	: Block 1 - Anthracene - Napthalene	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 - Napthalene	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
	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. Clothing for

SECTION 5: Firefighting measures

	fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.
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. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: Block 1 - Anthracene - Naphthalene	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 spilt 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 spilt 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 spilt 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 spilt 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 spilt 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 spilt material. Put on appropriate personal protective equipment.
For emergency responders	: Block 1 - Anthracene - Naphthalene	If specialised 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 specialised 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 specialised 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 -	If specialised clothing is required to deal with the spillage,

SECTION 6: Accidental release measures

Tetraphenylbutadiene	take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Block 5 - Compound 610	If specialised 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 6 - Rhodamine	If specialised 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".

6.2 Environmental precautions

: Block 1 - Anthracene - Napthalene	Avoid dispersal of spilt 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 spilt 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 spilt 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 spilt 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 spilt 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 spilt 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).

6.3 Methods and material 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, labelled 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, labelled 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, labelled 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, labelled 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, labelled 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, labelled waste container. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections

: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

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

7.2 Conditions for safe storage, including any incompatibilities

Storage	: 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials
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SECTION 7: Handling and storage

Block 2 - Ovalene	before handling or use. 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Block 4 - Tetraphenylbutadiene	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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations

: Block 1 - Anthracene - Naphthalene	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.

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SECTION 7: Handling and storage

Industrial sector specific solutions	Block 1 - Anthracene - Naphthalene	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

No exposure limit value known.

Recommended monitoring procedures : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

No DNELs/DMELs available.

PNECs

No PNECs available

8.2 Exposure controls

Appropriate engineering controls : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

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.

Skin 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.

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SECTION 8: Exposure controls/personal protection

- 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.
- 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.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

- Physical state** : Block 1 - Anthracene - Solid. [(block)]
Naphthalene
Block 2 - Ovalene Solid. [(block)]
Block 3 - p-Terphenyl Solid. [(block)]
Block 4 - Solid. [(block)]
Tetraphenylbutadiene
Block 5 - Compound Solid. [(block)]
610
Block 6 - Rhodamine Solid. [(block)]
- Colour** : Block 1 - Anthracene - Transparent
Naphthalene
Block 2 - Ovalene Transparent
Block 3 - p-Terphenyl Transparent
Block 4 - Transparent
Tetraphenylbutadiene
Block 5 - Compound Transparent
610
Block 6 - Rhodamine Transparent
- Odour** : Block 1 - Anthracene - Not available.
Naphthalene
Block 2 - Ovalene Not available.
Block 3 - p-Terphenyl Not available.
Block 4 - Not available.
Tetraphenylbutadiene
Block 5 - Compound Not available.
610
Block 6 - Rhodamine Not available.
- Odour threshold** : Block 1 - Anthracene - Not available.
Naphthalene
Block 2 - Ovalene Not available.
Block 3 - p-Terphenyl Not available.
Block 4 - Not available.
Tetraphenylbutadiene
Block 5 - Compound Not available.
610
Block 6 - Rhodamine Not available.
- pH** : Block 1 - Anthracene - Not available.
Naphthalene
Block 2 - Ovalene Not available.
Block 3 - p-Terphenyl Not available.
Block 4 - Not available.
Tetraphenylbutadiene
Block 5 - Compound Not available.
610

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SECTION 9: Physical and chemical properties

	Block 6 - Rhodamine	Not available.
Melting point/freezing 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.
Initial boiling point and boiling range	: 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.
Flash 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.
Evaporation rate	: 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.
Flammability (solid, gas)	: 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.
Upper/lower flammability or explosive limits	: 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

Vapour pressure	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	Not available. Not available. Not available. Not available. Not available. Not available.
Vapour density	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	Not available. Not available. Not available. Not available. Not available. Not available.
Relative density	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	1.15 1.15 1.15 1.15 1.15 1.15
Solubility(ies)	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	Insoluble in the following materials: cold water and hot water. Insoluble in the following materials: cold water and hot water. Insoluble in the following materials: cold water and hot water. Insoluble in the following materials: cold water and hot water. Insoluble in the following materials: cold water and hot water. Insoluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	Not available. Not available. Not available. Not available. Not available. Not available.
Auto-ignition temperature	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	Not available. Not available. Not available. Not available. Not available. Not available.

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SECTION 9: Physical and chemical properties

Decomposition temperature	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	Not available. Not available. Not available. Not available. Not available. Not available.
Viscosity	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	Not available. Not available. Not available. Not available. Not available. Not available.
Explosive properties	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	Not available. Not available. Not available. Not available. Not available. Not available.
Oxidising properties	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	Not available. Not available. Not available. Not available. Not available. Not available.

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
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SECTION 10: Stability and reactivity

10.2 Chemical stability	: Block 1 - Anthracene - Naphthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	The product is stable. The product is stable. The product is stable. The product is stable. The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: Block 1 - Anthracene - Naphthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Block 1 - Anthracene - Naphthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	No specific data. No specific data. No specific data. No specific data. No specific data. No specific data.
10.5 Incompatible materials	: Block 1 - Anthracene - Naphthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials. May react or be incompatible with oxidising materials.
10.6 Hazardous decomposition products	: Block 1 - Anthracene - Naphthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced. 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.

Acute toxicity estimates

Not available.

Irritation/Corrosion

Conclusion/Summary : Not available.

Sensitiser

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure	: 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

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.
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.

SECTION 11: Toxicological information

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.
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.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation	: 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.
Ingestion	: 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.
Skin contact	: 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.
Eye contact	: 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.

Delayed and immediate effects as well as 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.

SECTION 11: Toxicological information

Potential delayed effects : Not available.

Potential chronic health effects

General	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	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.
Carcinogenicity	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	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.
Mutagenicity	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	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.
Teratogenicity	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	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.
Developmental effects	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	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.
Fertility effects	: Block 1 - Anthracene - Napthalene Block 2 - Ovalene Block 3 - p-Terphenyl Block 4 - Tetraphenylbutadiene Block 5 - Compound 610 Block 6 - Rhodamine	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.

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SECTION 12: Ecological information

12.1 Toxicity

Conclusion/Summary : 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.

Mobility : Not available.

12.5 Results of PBT and vPvB assessment

PBT : Not applicable.

vPvB : Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised 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.

Hazardous waste : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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.

ADR/RID / IMDG / IATA : Not regulated.

14.6 Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

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SECTION 14: Transport information

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code : Not available.

SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles	Block 1 - Anthracene - Naphthalene	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.

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia	: All components are listed or exempted.
Canada	: Not determined.
China	: All components are listed or exempted.
Europe	: All components are listed or exempted.
Japan	: Japan inventory (ENCS): All components are listed or exempted. Japan inventory (ISHL): All components are listed or exempted.
Malaysia	: All components are listed or exempted.
New Zealand	: All components are listed or exempted.
Philippines	: Not determined.

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SECTION 15: Regulatory information

Republic of Korea	: Not determined.
Taiwan	: All components are listed or exempted.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: All components are listed or exempted.
Viet Nam	: Not determined.

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments might still be required.

SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

Abbreviations and acronyms : ATE = Acute Toxicity Estimate
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
DNEL = Derived No Effect Level
EUH statement = CLP-specific Hazard statement
PNEC = Predicted No Effect Concentration
RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Not classified.	

Full text of abbreviated H statements

Not applicable.

Full text of classifications [CLP/GHS]

Not applicable.

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Date of previous issue : 02/08/2016

Version : 2

Notice to reader

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