

SAFETY DATA SHEET



Genomic DNA ULS Labeling Kit, Part Number 5190-0419

Section 1. Identification

Product identifier : Genomic DNA ULS Labeling Kit, Part Number 5190-0419
Part no. (chemical kit) : 5190-0419
Part no. : Agilent-CGHblock 5190-0421
 ULS-Cyanine3 LK019G
 ULS-Cyanine5 LK020G
 10X Labeling Solution LK017D

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

Identified uses : Analytical reagent.
 The following article is also contained in this kit: SP0005K. (No SDS is necessary.)
 Agilent-CGHblock 0.75 ml
 ULS-Cyanine3 0.0125 ml
 ULS-Cyanine5 0.0125 ml
 10X Labeling Solution 0.1 ml

Supplier/Manufacturer : Agilent Technologies Australia Pty Ltd
 679 Springvale Road
 Mulgrave
 Victoria 3170, Australia
 1800 802 402

Emergency telephone number (with hours of operation) : CHEMTREC®: +(61)-290372994

Section 2. Hazard(s) identification

Classification of the substance or mixture

Agilent-CGHblock
 H315 SKIN CORROSION/IRRITATION - Category 2
 H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A

ULS-Cyanine3
 H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A
 H360 REPRODUCTIVE TOXICITY - Category 1

ULS-Cyanine5
 H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A
 H360 REPRODUCTIVE TOXICITY - Category 1

<input checked="" type="checkbox"/> Agilent-CGHblock	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 2.5%
ULS-Cyanine3	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 5%
ULS-Cyanine5	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 5%

GHS label elements

Section 2. Hazard(s) identification

Hazard pictograms : Agilent-CGHblock



ULS-Cyanine3



ULS-Cyanine5



Signal word : Agilent-CGHblock
 ULS-Cyanine3
 ULS-Cyanine5
 10X Labeling Solution

WARNING
 DANGER
 DANGER
 No signal word.

Hazard statements : Agilent-CGHblock
 ULS-Cyanine3
 ULS-Cyanine5
 10X Labeling Solution

H315 - Causes skin irritation.
 H319 - Causes serious eye irritation.
 H319 - Causes serious eye irritation.
 H360 - May damage fertility or the unborn child.
 H319 - Causes serious eye irritation.
 H360 - May damage fertility or the unborn child.
 No known significant effects or critical hazards.

Precautionary statements

Prevention : Agilent-CGHblock
 ULS-Cyanine3
 ULS-Cyanine5
 10X Labeling Solution

P280 - Wear protective gloves. Wear eye or face protection.
 P264 - Wash thoroughly after handling.
 P201 - Obtain special instructions before use.
 P280 - Wear protective gloves, protective clothing and eye or face protection.
 P201 - Obtain special instructions before use.
 P280 - Wear protective gloves, protective clothing and eye or face protection.
 Not applicable.

Response : Agilent-CGHblock
 ULS-Cyanine3
 ULS-Cyanine5
 10X Labeling Solution

P362 + P364 - Take off contaminated clothing and wash it before reuse.
 P302 + P352 - IF ON SKIN: Wash with plenty of water.
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 - If eye irritation persists: Get medical advice or attention.
 P308 + P313 - IF exposed or concerned: Get medical advice or attention.
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 - If eye irritation persists: Get medical advice or attention.
 P308 + P313 - IF exposed or concerned: Get medical advice or attention.
 P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337 + P313 - If eye irritation persists: Get medical advice or attention.
 Not applicable.

Section 2. Hazard(s) identification

Storage	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	Not applicable. Not applicable. Not applicable. Not applicable.
Disposal	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	Not applicable. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations. Not applicable.
Supplemental label elements		
Additional warning phrases	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	Not applicable. Not applicable. Not applicable. Not applicable.
Other hazards which do not result in classification	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	None known. None known. None known. None known.

Section 3. Composition and ingredient information

Substance/mixture	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	Mixture Mixture Mixture Mixture
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CAS number/other identifiers

Ingredient name	% (w/w)	CAS number
Agilent-CGHblock sodium diethyldithiocarbamate	<3	148-18-5
ULS-Cyanine3 N,N-Dimethylformamide	≥30 - <55	68-12-2
ULS-Cyanine5 N,N-Dimethylformamide	≥30 - <55	68-12-2

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

The total concentration of ingredients in this product, reported or not in this section, is 100%.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact	: Agilent-CGHblock	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	ULS-Cyanine3	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	ULS-Cyanine5	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
	10X Labeling Solution	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	: Agilent-CGHblock	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	ULS-Cyanine3	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	ULS-Cyanine5	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
	10X Labeling Solution	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical

Section 4. First aid measures

Skin contact

: Agilent-CGHblock

attention if symptoms occur. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

ULS-Cyanine3

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

ULS-Cyanine5

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

10X Labeling Solution

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion

: Agilent-CGHblock

Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

ULS-Cyanine3

Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

ULS-Cyanine5

Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position

Section 4. First aid measures

10X Labeling Solution

and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
Wash out mouth with water. 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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	Causes serious eye irritation. Causes serious eye irritation. Causes serious eye irritation. No known significant effects or critical hazards.
Inhalation	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	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	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	Causes skin irritation. No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	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.

Over-exposure signs/symptoms

Eye contact	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	Adverse symptoms may include the following: pain or irritation watering redness Adverse symptoms may include the following: pain or irritation watering redness Adverse symptoms may include the following: pain or irritation watering redness No specific data.
Inhalation	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	No specific data. Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations No specific data.
Skin contact	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5	Adverse symptoms may include the following: irritation redness Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations Adverse symptoms may include the following: reduced foetal weight

Section 4. First aid measures

Ingestion

- 10X Labeling Solution
- : Agilent-CGHblock
- ULS-Cyanine3

- ULS-Cyanine5

- 10X Labeling Solution

increase in foetal deaths
skeletal malformations
No specific data.

No specific data.
Adverse symptoms may include the following:
reduced foetal weight
increase in foetal deaths
skeletal malformations

Adverse symptoms may include the following:
reduced foetal weight
increase in foetal deaths
skeletal malformations

No specific data.

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

Notes to physician

- : Agilent-CGHblock

- ULS-Cyanine3

- ULS-Cyanine5

- 10X Labeling Solution

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

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In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments

- : Agilent-CGHblock
- ULS-Cyanine3
- ULS-Cyanine5
- 10X Labeling Solution

No specific treatment.
No specific treatment.
No specific treatment.
No specific treatment.

Protection of first-aiders

- : Agilent-CGHblock

- ULS-Cyanine3

- ULS-Cyanine5

- 10X Labeling Solution

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Firefighting measures

Extinguishing media

Suitable extinguishing media	: Agilent-CGHblock	Use an extinguishing agent suitable for the surrounding fire.
	ULS-Cyanine3	Use an extinguishing agent suitable for the surrounding fire.
	ULS-Cyanine5	Use an extinguishing agent suitable for the surrounding fire.
	10X Labeling Solution	Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: Agilent-CGHblock	None known.
	ULS-Cyanine3	None known.
	ULS-Cyanine5	None known.
	10X Labeling Solution	None known.
Specific hazards arising from the chemical	: Agilent-CGHblock	In a fire or if heated, a pressure increase will occur and the container may burst.
	ULS-Cyanine3	In a fire or if heated, a pressure increase will occur and the container may burst.
	ULS-Cyanine5	In a fire or if heated, a pressure increase will occur and the container may burst.
	10X Labeling Solution	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: Agilent-CGHblock	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides phosphorus oxides halogenated compounds metal oxide/oxides
	ULS-Cyanine3	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
	ULS-Cyanine5	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds metal oxide/oxides
	10X Labeling Solution	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides
Special protective actions for fire-fighters	: Agilent-CGHblock	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.
	ULS-Cyanine3	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.
	ULS-Cyanine5	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No

Section 5. Firefighting measures

	10X Labeling Solution	action shall be taken involving any personal risk or without suitable training.
Special protective equipment for fire-fighters	: Agilent-CGHblock	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.
	ULS-Cyanine3	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	ULS-Cyanine5	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	10X Labeling Solution	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel	: Agilent-CGHblock	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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	ULS-Cyanine3	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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	ULS-Cyanine5	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. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
	10X Labeling Solution	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.

Section 6. Accidental release measures

For emergency responders :	Agilent-CGHblock	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".
	ULS-Cyanine3	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".
	ULS-Cyanine5	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".
	10X Labeling Solution	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".

Environmental precautions :	Agilent-CGHblock	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).
	ULS-Cyanine3	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).
	ULS-Cyanine5	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).
	10X Labeling Solution	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).

Methods and material for containment and cleaning up

Methods for cleaning up :	Agilent-CGHblock	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	ULS-Cyanine3	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	ULS-Cyanine5	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.
	10X Labeling Solution	Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 6. Accidental release measures

disposal contractor.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Agilent-CGHblock

ULS-Cyanine3

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

ULS-Cyanine5

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

10X Labeling Solution

Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapour or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : Agilent-CGHblock

ULS-Cyanine3

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.

ULS-Cyanine5

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.

10X Labeling Solution

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

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Agilent-CGHblock

ULS-Cyanine3

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.

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.

ULS-Cyanine5

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. Store locked up. 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.

10X Labeling Solution

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. Store locked up. 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.

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.

Section 8. Exposure controls and personal protection

[Control parameters](#)

[Occupational exposure limits](#)

Section 8. Exposure controls and personal protection

Ingredient name	Exposure limits
Agilent-CGHblock sodium diethyldithiocarbamate	DFG MAC-values list (Germany, 7/2023). Skin sensitiser. TWA: 2 mg/m ³ 8 hours. Form: inhalable fraction PEAK: 4 mg/m ³ , 4 times per shift, 15 minutes. Form: inhalable fraction
ULS-Cyanine3 N,N-Dimethylformamide	Safe Work Australia (Australia, 10/2022). Absorbed through skin. TWA: 30 mg/m ³ 8 hours. TWA: 10 ppm 8 hours.
ULS-Cyanine5 N,N-Dimethylformamide	Safe Work Australia (Australia, 10/2022). Absorbed through skin. TWA: 30 mg/m ³ 8 hours. TWA: 10 ppm 8 hours.

Biological exposure indices

No exposure indices known.

Appropriate engineering controls

- ☑ If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

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: chemical splash goggles.

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. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

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.

Section 8. Exposure controls and personal protection

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 and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	: Agilent-CGHblock	Liquid.																																									
	ULS-Cyanine3	Liquid. [Clear.]																																									
	ULS-Cyanine5	Liquid.																																									
	10X Labeling Solution	Liquid.																																									
Colour	: Agilent-CGHblock	Not available.																																									
	ULS-Cyanine3	Pink [Light]																																									
	ULS-Cyanine5	Blue. [Light]																																									
	10X Labeling Solution	Colourless.																																									
Odour	: Agilent-CGHblock	Not available.																																									
	ULS-Cyanine3	Amine-like. [Slight]																																									
	ULS-Cyanine5	Amine-like. [Slight]																																									
	10X Labeling Solution	Odourless.																																									
Odour threshold	: Agilent-CGHblock	Not available.																																									
	ULS-Cyanine3	Not available.																																									
	ULS-Cyanine5	Not available.																																									
	10X Labeling Solution	Not available.																																									
pH	: Agilent-CGHblock	Not available.																																									
	ULS-Cyanine3	Not available.																																									
	ULS-Cyanine5	Not available.																																									
	10X Labeling Solution	7 to 8																																									
Melting point/freezing point	: Agilent-CGHblock	Not available.																																									
	ULS-Cyanine3	Not available.																																									
	ULS-Cyanine5	Not available.																																									
	10X Labeling Solution	Not available.																																									
Boiling point, initial boiling point, and boiling range	: Agilent-CGHblock	Not available.																																									
	ULS-Cyanine3	Not available.																																									
	ULS-Cyanine5	Not available.																																									
	10X Labeling Solution	95 to 100°C (203 to 212°F)																																									
Flash point	:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Ingredient name</th> <th colspan="3">Closed cup</th> <th colspan="3">Open cup</th> </tr> <tr> <th>°C</th> <th>°F</th> <th>Method</th> <th>°C</th> <th>°F</th> <th>Method</th> </tr> </thead> <tbody> <tr> <td>ULS-Cyanine3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>N,N-Dimethylformamide</td> <td>57.5</td> <td>135.5</td> <td>DIN 51755</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>ULS-Cyanine5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>N,N-Dimethylformamide</td> <td>57.5</td> <td>135.5</td> <td>DIN 51755</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	Ingredient name	Closed cup			Open cup			°C	°F	Method	°C	°F	Method	ULS-Cyanine3							N,N-Dimethylformamide	57.5	135.5	DIN 51755	-	-	-	ULS-Cyanine5							N,N-Dimethylformamide	57.5	135.5	DIN 51755	-	-	-
Ingredient name	Closed cup			Open cup																																							
	°C	°F	Method	°C	°F	Method																																					
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ULS-Cyanine5																																											
N,N-Dimethylformamide	57.5	135.5	DIN 51755	-	-	-																																					
Evaporation rate	: Agilent-CGHblock	Not available.																																									
	ULS-Cyanine3	Not available.																																									
	ULS-Cyanine5	Not available.																																									
	10X Labeling Solution	Not available.																																									
Flammability	: Agilent-CGHblock	Not applicable.																																									
	ULS-Cyanine3	Not applicable.																																									
	ULS-Cyanine5	Not applicable.																																									
	10X Labeling Solution	Not applicable.																																									

Section 9. Physical and chemical properties and safety characteristics

Lower and upper explosion limit/flammability limit : Agilent-CGHblock Not available.
 ULS-Cyanine3 Not available.
 ULS-Cyanine5 Not available.
 10X Labeling Solution Not available.

Vapour pressure :

Ingredient name	Vapour Pressure at 20° C			Vapour pressure at 50° C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Agilent-CGHblock						
water	17.5	2.3	-	92.258	12.3	-
2-Amino-2-(hydroxymethyl) propane-1,3-diol hydrochloride	0.000027	0.0000036	-	0.000007501	0.000001	-
ULS-Cyanine3						
water	17.5	2.3	-	92.258	12.3	-
N,N-Dimethylformamide	3.7	0.49	-	-	-	-
ULS-Cyanine5						
water	17.5	2.3	-	92.258	12.3	-
N,N-Dimethylformamide	3.7	0.49	-	-	-	-
10X Labeling Solution						
water	17.5	2.3	-	92.258	12.3	-
Trometamol	<0.00075006	<0.0001	-	-	-	-

Relative vapour density : Agilent-CGHblock Not available.
 ULS-Cyanine3 Not available.
 ULS-Cyanine5 Not available.
 10X Labeling Solution Not available.

Relative density : Agilent-CGHblock Not available.
 ULS-Cyanine3 Not available.
 ULS-Cyanine5 Not available.
 10X Labeling Solution Not available.

Solubility(ies) :

Media	Result
Agilent-CGHblock	
water	Soluble
ULS-Cyanine3	
water	Not soluble
ULS-Cyanine5	
water	Not soluble
10X Labeling Solution	
water	Soluble

Section 9. Physical and chemical properties and safety characteristics

Partition coefficient: n-octanol/water : Agilent-CGHblock Not applicable.
 ULS-Cyanine3 Not applicable.
 ULS-Cyanine5 Not applicable.
 10X Labeling Solution Not applicable.

Auto-ignition temperature :

Ingredient name	°C	°F	Method
ULS-Cyanine3			
N,N-Dimethylformamide	445	833	-
ULS-Cyanine5			
N,N-Dimethylformamide	445	833	-

Decomposition temperature : Agilent-CGHblock Not available.
 ULS-Cyanine3 Not available.
 ULS-Cyanine5 Not available.
 10X Labeling Solution Not available.

Viscosity : Agilent-CGHblock Not available.
 ULS-Cyanine3 Not available.
 ULS-Cyanine5 Not available.
 10X Labeling Solution Not available.

Particle characteristics

Median particle size : Agilent-CGHblock Not applicable.
 ULS-Cyanine3 Not applicable.
 ULS-Cyanine5 Not applicable.
 10X Labeling Solution Not applicable.

Section 10. Stability and reactivity

Reactivity : Agilent-CGHblock No specific test data related to reactivity available for this product or its ingredients.
 ULS-Cyanine3 No specific test data related to reactivity available for this product or its ingredients.
 ULS-Cyanine5 No specific test data related to reactivity available for this product or its ingredients.
 10X Labeling Solution No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : Agilent-CGHblock The product is stable.
 ULS-Cyanine3 The product is stable.
 ULS-Cyanine5 The product is stable.
 10X Labeling Solution The product is stable.

Possibility of hazardous reactions : Agilent-CGHblock Under normal conditions of storage and use, hazardous reactions will not occur.
 ULS-Cyanine3 Under normal conditions of storage and use, hazardous reactions will not occur.
 ULS-Cyanine5 Under normal conditions of storage and use, hazardous reactions will not occur.
 10X Labeling Solution Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Agilent-CGHblock No specific data.
 ULS-Cyanine3 No specific data.
 ULS-Cyanine5 No specific data.
 10X Labeling Solution No specific data.

Section 10. Stability and reactivity

Incompatible materials	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	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.
Hazardous decomposition products	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	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

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Agilent-CGHblock sodium diethyldithiocarbamate	LD50 Oral	Rat	1500 mg/kg	-
ULS-Cyanine3 N,N-Dimethylformamide	LC50 Inhalation Vapour LC50 Inhalation Vapour LD50 Oral	Rat Rat Rat	3421 ppm 1948 ppm 4000 mg/kg	1 hours 4 hours -
ULS-Cyanine5 N,N-Dimethylformamide	LC50 Inhalation Vapour LC50 Inhalation Vapour LD50 Oral	Rat Rat Rat	3421 ppm 1948 ppm 4000 mg/kg	1 hours 4 hours -

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
ULS-Cyanine3 N,N-Dimethylformamide	Eyes - Severe irritant	Rabbit	-	100 %	-
ULS-Cyanine5 N,N-Dimethylformamide	Eyes - Severe irritant	Rabbit	-	100 %	-

Sensitisation

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.

Section 11. Toxicological information

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure	: Agilent-CGHblock	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	ULS-Cyanine3	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	ULS-Cyanine5	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.
	10X Labeling Solution	Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Potential acute health effects

Eye contact	: Agilent-CGHblock	Causes serious eye irritation.
	ULS-Cyanine3	Causes serious eye irritation.
	ULS-Cyanine5	Causes serious eye irritation.
	10X Labeling Solution	No known significant effects or critical hazards.
Inhalation	: Agilent-CGHblock	No known significant effects or critical hazards.
	ULS-Cyanine3	No known significant effects or critical hazards.
	ULS-Cyanine5	No known significant effects or critical hazards.
	10X Labeling Solution	No known significant effects or critical hazards.
Skin contact	: Agilent-CGHblock	Causes skin irritation.
	ULS-Cyanine3	No known significant effects or critical hazards.
	ULS-Cyanine5	No known significant effects or critical hazards.
	10X Labeling Solution	No known significant effects or critical hazards.
Ingestion	: Agilent-CGHblock	No known significant effects or critical hazards.
	ULS-Cyanine3	No known significant effects or critical hazards.
	ULS-Cyanine5	No known significant effects or critical hazards.
	10X Labeling Solution	No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: Agilent-CGHblock	Adverse symptoms may include the following: pain or irritation watering redness
	ULS-Cyanine3	Adverse symptoms may include the following: pain or irritation watering redness
	ULS-Cyanine5	Adverse symptoms may include the following: pain or irritation watering redness
	10X Labeling Solution	No specific data.
Inhalation	: Agilent-CGHblock	No specific data.
	ULS-Cyanine3	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
	ULS-Cyanine5	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
	10X Labeling Solution	No specific data.

Section 11. Toxicological information

Skin contact	: Agilent-CGHblock	Adverse symptoms may include the following: irritation redness
	ULS-Cyanine3	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
	ULS-Cyanine5	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
	10X Labeling Solution	No specific data.
Ingestion	: Agilent-CGHblock	No specific data.
	ULS-Cyanine3	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
	ULS-Cyanine5	Adverse symptoms may include the following: reduced foetal weight increase in foetal deaths skeletal malformations
	10X Labeling Solution	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.

Potential delayed effects : Not available.

Potential chronic health effects

General	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	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	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	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	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	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.
Reproductive toxicity	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	No known significant effects or critical hazards. May damage fertility or the unborn child. May damage fertility or the unborn child. No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Section 11. Toxicological information

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
Agilent-CGHblock Agilent-CGHblock sodium diethyldithiocarbamate	150000.0 1500	N/A N/A	N/A N/A	N/A N/A	N/A N/A
ULS-Cyanine3 ULS-Cyanine3 N,N-Dimethylformamide	N/A 4000	2754.8 1500	N/A N/A	20.2 11	N/A N/A
ULS-Cyanine5 ULS-Cyanine5 N,N-Dimethylformamide	N/A 4000	2754.8 1500	N/A N/A	20.2 11	N/A N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result	Species	Exposure
Agilent-CGHblock sodium diethyldithiocarbamate	Acute EC50 1400 µg/l Fresh water	Algae - <i>Chlorella pyrenoidosa</i>	96 hours
	Acute LC50 910 µg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 6900 µg/l Fresh water	Fish - <i>Poecilia reticulata</i>	96 hours
ULS-Cyanine3 N,N-Dimethylformamide	Acute EC50 4500 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 >100000 µg/l Marine water	Crustaceans - <i>Crangon crangon</i> - Adult	48 hours
	Acute LC50 7100000 µg/l Fresh water	Fish - <i>Lepomis macrochirus</i> - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic NOEC 1500 mg/l Fresh water Chronic NOEC 0.1 ml/L Fresh water	Daphnia - <i>Daphnia magna</i> Fish - <i>Oncorhynchus mykiss</i> - Embryo	21 days 30 days
ULS-Cyanine5 N,N-Dimethylformamide	Acute EC50 4500 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	48 hours
	Acute LC50 >100000 µg/l Marine water	Crustaceans - <i>Crangon crangon</i> - Adult	48 hours
	Acute LC50 7100000 µg/l Fresh water	Fish - <i>Lepomis macrochirus</i> - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Chronic NOEC 1500 mg/l Fresh water Chronic NOEC 0.1 ml/L Fresh water	Daphnia - <i>Daphnia magna</i> Fish - <i>Oncorhynchus mykiss</i> - Embryo	21 days 30 days

Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
ULS-Cyanine3 N,N-Dimethylformamide	-	100 % - Readily - 21 days	-	-
ULS-Cyanine5 N,N-Dimethylformamide	-	100 % - Readily - 21 days	-	-

Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
Agilent-CGHblock sodium diethyldithiocarbamate	-	-	Readily
ULS-Cyanine3 N,N-Dimethylformamide	-	-	Readily
ULS-Cyanine5 N,N-Dimethylformamide	-	-	Readily
10X Labeling Solution 10X Labeling Solution	-	-	Readily

Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Agilent-CGHblock sodium diethyldithiocarbamate	-1.1	-	Low
ULS-Cyanine3 N,N-Dimethylformamide	-1.01	0.79	Low
ULS-Cyanine5 N,N-Dimethylformamide	-1.01	0.79	Low

Mobility in soil

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

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

Section 13. Disposal considerations

Disposal methods : 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. 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 safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. 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

ADG / IMDG / IATA : Not regulated as Dangerous Goods according to the ADG Code .

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.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons

6

Model Work Health and Safety Regulations - Scheduled Substances

No listed substance

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

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 : Not determined.

New Zealand : Not determined.

United States : Not determined.

Section 16. Any other relevant information

History

Date of issue/Date of revision : 20/03/2024

Date of previous issue : 28/04/2021

Version : 6

Key to abbreviations

ADG = Australian Dangerous Goods
 ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
 ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 N/A = Not available
 SUSMP = Standard Uniform Schedule of Medicine and Poisons
 UN = United Nations

Procedure used to derive the classification

Classification	Justification
Agilent-CGHblock SKIN CORROSION/IRRITATION - Category 2 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A	Calculation method Calculation method
ULS-Cyanine3 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A REPRODUCTIVE TOXICITY - Category 1	Calculation method Calculation method

Section 16. Any other relevant information

ULS-Cyanine5 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2A REPRODUCTIVE TOXICITY - Category 1	Calculation method Calculation method
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✔ Indicates information that has changed from previously issued version.

[Notice to reader](#)

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