

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.)

<input checked="" type="checkbox"/> 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, Inc.
 5301 Stevens Creek Blvd
 Santa Clara, CA 95051, USA
 800-227-9770

Emergency telephone number (with hours of operation) : CHEMTREC®: 1-800-424-9300

Section 2. Hazard identification

Classification of the substance or mixture

Agilent-CGHblock

H315	SKIN IRRITATION - Category 2
H319	EYE IRRITATION - Category 2A

ULS-Cyanine3

H319	EYE IRRITATION - Category 2A
H350	CARCINOGENICITY - Category 1
H360	TOXIC TO REPRODUCTION - Category 1

ULS-Cyanine5

H319	EYE IRRITATION - Category 2A
H350	CARCINOGENICITY - Category 1
H360	TOXIC TO REPRODUCTION - Category 1

GHS label elements

Section 2. Hazard 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.
H350 - May cause cancer.
H360 - May damage fertility or the unborn child.
H319 - Causes serious eye irritation.
H350 - May cause cancer.
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

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

Section 2. Hazard identification

	10X Labeling Solution	lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice or attention.
Storage	: Agilent-CGHblock	Not applicable.
	ULS-Cyanine3	Not applicable.
	ULS-Cyanine5	Not applicable.
	10X Labeling Solution	Not applicable.
Disposal	: Agilent-CGHblock	Not applicable.
	ULS-Cyanine3	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	ULS-Cyanine5	P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
	10X Labeling Solution	Not applicable.
Supplemental label elements	: Agilent-CGHblock	None known.
	ULS-Cyanine3	None known.
	ULS-Cyanine5	None known.
	10X Labeling Solution	None known.
	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%
Other hazards which do not result in classification	: Agilent-CGHblock	None known.
	ULS-Cyanine3	None known.
	ULS-Cyanine5	None known.
	10X Labeling Solution	None known.

Section 3. Composition/information on ingredients

Substance/mixture	: Agilent-CGHblock	Mixture
	ULS-Cyanine3	Mixture
	ULS-Cyanine5	Mixture
	10X Labeling Solution	Mixture

Ingredient name	Synonyms	% (w/w)	CAS number
Agilent-CGHblock			
sodium diethyldithiocarbamate	sodium diethyldithiocarbamate	≥1 - ≤5	148-18-5
ULS-Cyanine3			
N,N-Dimethylformamide	N,N-Dimethylformamide	≥30 - ≤60	68-12-2
ULS-Cyanine5			
N,N-Dimethylformamide	N,N-Dimethylformamide	≥30 - ≤60	68-12-2
10X Labeling Solution			
Trometamol	Tris	≥5 - ≤10	77-86-1

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

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 and hence require reporting in this section.

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.

Section 4. First-aid measures

		10X Labeling Solution	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.
Skin contact	:	Agilent-CGHblock	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical 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.
		ULS-Cyanine3	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-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.
Ingestion	:	10X Labeling Solution	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
		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

Section 4. First-aid measures

ULS-Cyanine5

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. 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.

10X Labeling Solution

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	: <input checked="" type="checkbox"/> 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	: <input checked="" type="checkbox"/> 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	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.

Section 4. First-aid measures

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

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

Notes to physician	: Agilent-CGHblock	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	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	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	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	No specific treatment.
	ULS-Cyanine3	No specific treatment.
	ULS-Cyanine5	No specific treatment.
	10X Labeling Solution	No specific treatment.

Section 4. First-aid measures

Protection of first-aiders	: Agilent-CGHblock	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.
	ULS-Cyanine3	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.
	ULS-Cyanine5	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.
	10X Labeling Solution	No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

Section 5. Fire-fighting 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
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Section 5. Fire-fighting measures

	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 action shall be taken involving any personal risk or without suitable training.
	10X Labeling Solution	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	: Agilent-CGHblock	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	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 spilled material. Avoid breathing vapor 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 spilled material. Avoid breathing vapor 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 spilled material. Avoid breathing vapor 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 spilled material. Put on appropriate personal protective equipment.
For emergency responders	: Agilent-CGHblock	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	ULS-Cyanine3	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	ULS-Cyanine5	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
	10X Labeling Solution	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
Environmental precautions	: Agilent-CGHblock	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	ULS-Cyanine3	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
	ULS-Cyanine5	Avoid dispersal of spilled material and runoff and

Section 6. Accidental release measures

10X Labeling Solution

contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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

Methods and materials 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 7. Handling and storage

Precautions for safe handling

Protective measures :  Agilent-CGHblock

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor 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-Cyanine3

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 vapor 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

Section 7. Handling and storage

	ULS-Cyanine5	and can be hazardous. Do not reuse container. 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 vapor 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).
Advice on general occupational hygiene	: Agilent-CGHblock	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-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.
Conditions for safe storage, including any incompatibilities	: Agilent-CGHblock	Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
	ULS-Cyanine3	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

Section 8. Exposure controls/personal protection

Absorbed through skin.

OEL: 30 mg/m³ 8 hours.

OEL: 10 ppm 8 hours.

CA British Columbia Provincial (Canada, 6/2023). Absorbed through skin.

TWA: 5 ppm 8 hours.

CA Ontario Provincial (Canada, 6/2019). Absorbed through skin.

TWA: 10 ppm 8 hours.

CA Quebec Provincial (Canada, 6/2022). Absorbed through skin.

TWAEV: 10 ppm 8 hours.

TWAEV: 30 mg/m³ 8 hours.

CA Saskatchewan Provincial (Canada, 7/2013). Absorbed through skin.

STEL: 15 ppm 15 minutes.

TWA: 10 ppm 8 hours.

Biological exposure indices

No exposure indices known.

Appropriate engineering controls

: If user operations generate dust, fumes, gas, vapor 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/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 ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	Liquid. Liquid. [Clear.] Liquid. Liquid.																											
Color	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	Not available. Pink [Light] Blue. [Light] Colorless.																											
Odor	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	Not available. Amine-like. [Slight] Amine-like. [Slight] Odorless.																											
Odor threshold	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	Not available. Not available. Not available. Not available.																											
pH	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	Not available. Not available. Not available. 7 to 8																											
Melting point/freezing point	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	Not available. Not available. Not available. Not available.																											
Boiling point, initial boiling point, and boiling range	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	Not available. Not available. Not available. 95 to 100°C (203 to 212°F)																											
Flash point	: <table border="1" data-bbox="516 1423 1510 1818"> <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 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 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																							
ULS-Cyanine3 N, N-dimethylformamide	57.5	135.5	DIN 51755	-	-	-																							
ULS-Cyanine5 N, N-dimethylformamide	57.5	135.5	DIN 51755	-	-	-																							
Evaporation rate	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	Not available. Not available. Not available. Not available.																											

Section 9. Physical and chemical properties and safety characteristics

Flammability : Agilent-CGHblock Not applicable.
 ULS-Cyanine3 Not applicable.
 ULS-Cyanine5 Not applicable.
 10X Labeling Solution Not applicable.

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

Vapor pressure :

Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
Agilent-CGHblock						
water	17.5	2.3	-	92.258	12.3	-
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 vapor 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.

Section 10. Stability and reactivity

Conditions to avoid	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	No specific data. No specific data. No specific data. No specific data.
Incompatible materials	: Agilent-CGHblock ULS-Cyanine3 ULS-Cyanine5 10X Labeling Solution	May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing 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 Vapor LC50 Inhalation Vapor LD50 Oral	Rat Rat Rat	3421 ppm 1948 ppm 4000 mg/kg	1 hours 4 hours -
ULS-Cyanine5 N,N-Dimethylformamide	LC50 Inhalation Vapor LC50 Inhalation Vapor LD50 Oral	Rat Rat Rat	3421 ppm 1948 ppm 4000 mg/kg	1 hours 4 hours -
10X Labeling Solution Trometamol	LD50 Dermal	Rat	>5000 mg/kg	-

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 %	-
10X Labeling Solution Trometamol	Skin - Moderate irritant Skin - Severe irritant	Rabbit Rabbit	- -	25 % 500 mg	- -

Sensitization

Section 11. Toxicological information

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Classification

Product/ingredient name	IARC	NTP	ACGIH
Agilent-CGHblock sodium diethyldithiocarbamate	3	-	-
ULS-Cyanine3 N,N-Dimethylformamide	2A	-	A3
ULS-Cyanine5 N,N-Dimethylformamide	2A	-	A3

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
10X Labeling Solution Trometamol	Category 3	-	Respiratory tract irritation

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure

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

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

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.

Section 11. Toxicological information

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

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

Short term exposure

Section 11. Toxicological information

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. May cause cancer. Risk of cancer depends on duration and level of exposure. May cause cancer. Risk of cancer depends on duration and level of exposure. 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

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (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	6552.0 4000	2754.8 1500	N/A N/A	20.2 11	N/A N/A
ULS-Cyanine5 ULS-Cyanine5 N,N-Dimethylformamide	6552.0 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
10X Labeling Solution Trometamol	Acute EC50 >980 mg/l Fresh water	Daphnia	48 hours
	Acute NOEC 520 mg/l Fresh water	Daphnia	48 hours

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	-	-
10X Labeling Solution Trometamol	OECD 301F Ready Biodegradability - Manometric Respirometry Test	97.1 % - Readily - 28 days	30 mg/l	-

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 Trometamol	- -	- -	Readily 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
10X Labeling Solution Trometamol	-2.31	-	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 minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

TDG / IMDG / IATA : Not regulated.

Additional information

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

Canadian lists

Canadian NPRI : The following components are listed: N,N-dimethylformamide

CEPA Toxic substances : None of the components are listed.

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

Canada : Not determined.

United States : Not determined.

Section 16. Other information

History

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

Date of previous issue : 04/28/2021

Version : 6

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
HPR = Hazardous Products Regulations
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
UN = United Nations

Procedure used to derive the classification

Section 16. Other information

Classification	Justification
Agilent-CGHblock SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A	Calculation method Calculation method
ULS-Cyanine3 EYE IRRITATION - Category 2A CARCINOGENICITY - Category 1 TOXIC TO REPRODUCTION - Category 1	Calculation method Calculation method Calculation method
ULS-Cyanine5 EYE IRRITATION - Category 2A CARCINOGENICITY - Category 1 TOXIC TO REPRODUCTION - Category 1	Calculation method Calculation method Calculation method

✔ Indicates information that has changed from previously issued version.

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