

# SAFETY DATA SHEET

Anti-FITC-AP CISH Accessory Kit (Dako Omnis), Box A

## Section 1. Identification

**Product identifier** : Anti-FITC-AP CISH Accessory Kit (Dako Omnis), Box A  
**Part no. (chemical kit)** : K589911-21  
**Part no.** : CISH Endogenous Enzyme Block (Dako Omnis) K589911-21510  
 Anti-FITC-AP (Dako Omnis) K589911-21511  
 BCIP-NBT Substrate (Dako Omnis) K589911-21512

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

**Identified uses** :  Laboratory use  
 CISH Endogenous Enzyme Block (Dako Omnis) 13.7 ml  
 Anti-FITC-AP (Dako Omnis) 9.3 ml  
 BCIP-NBT Substrate (Dako Omnis) 26.9 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

#### BCIP-NBT Substrate (Dako Omnis)

H350 CARCINOGENICITY - Category 1  
 H360 TOXIC TO REPRODUCTION - Category 1  
 H412 AQUATIC HAZARD (LONG-TERM) - Category 3

### GHS label elements

**Hazard pictograms** : BCIP-NBT Substrate (Dako Omnis)



**Signal word** : CISH Endogenous Enzyme Block (Dako Omnis) No signal word.  
 Anti-FITC-AP (Dako Omnis) No signal word.  
 BCIP-NBT Substrate (Dako Omnis) Danger

**Hazard statements** : CISH Endogenous Enzyme Block (Dako Omnis) No known significant effects or critical hazards.  
 Anti-FITC-AP (Dako Omnis) No known significant effects or critical hazards.  
 BCIP-NBT Substrate (Dako Omnis) H350 - May cause cancer.  
 H360 - May damage fertility or the unborn child.  
 H412 - Harmful to aquatic life with long lasting effects.

### Precautionary statements

## Section 2. Hazard identification

<b>Prevention</b>	: CISH Endogenous Enzyme Block (Dako Omnis) Anti-FITC-AP (Dako Omnis) BCIP-NBT Substrate (Dako Omnis)	Not applicable. Not applicable. P201 - Obtain special instructions before use.  P280 - Wear protective gloves, protective clothing and eye or face protection. P273 - Avoid release to the environment.
<b>Response</b>	: CISH Endogenous Enzyme Block (Dako Omnis) Anti-FITC-AP (Dako Omnis) BCIP-NBT Substrate (Dako Omnis)	Not applicable. Not applicable. P308 + P313 - IF exposed or concerned: Get medical advice or attention.
<b>Storage</b>	: CISH Endogenous Enzyme Block (Dako Omnis) Anti-FITC-AP (Dako Omnis) BCIP-NBT Substrate (Dako Omnis)	Not applicable. Not applicable. Not applicable.
<b>Disposal</b>	: CISH Endogenous Enzyme Block (Dako Omnis) Anti-FITC-AP (Dako Omnis) BCIP-NBT Substrate (Dako Omnis)	Not applicable. Not applicable. P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
<b>Supplemental label elements</b>	: CISH Endogenous Enzyme Block (Dako Omnis) Anti-FITC-AP (Dako Omnis) BCIP-NBT Substrate (Dako Omnis)  Anti-FITC-AP (Dako Omnis)	None known. None known. None known.  Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 3%
<b>Other hazards which do not result in classification</b>	: CISH Endogenous Enzyme Block (Dako Omnis) Anti-FITC-AP (Dako Omnis) BCIP-NBT Substrate (Dako Omnis)	None known. None known. None known.

## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	: CISH Endogenous Enzyme Block (Dako Omnis) Anti-FITC-AP (Dako Omnis) BCIP-NBT Substrate (Dako Omnis)	Mixture Mixture Mixture
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Ingredient name	Synonyms	% (w/w)	CAS number
<b>CISH Endogenous Enzyme Block (Dako Omnis)</b>			
hydrogen peroxide	hydrogen peroxide	≥1 - ≤5	7722-84-1
Sodium azide	Sodium azide	≥0.1 - ≤1	26628-22-8
<b>Anti-FITC-AP (Dako Omnis)</b>			
Polyoxyethylene octyl phenyl ether	Triton X-100	≥0.1 - ≤1	9002-93-1
Sodium azide	Sodium azide	≥0.1 - ≤1	26628-22-8

## Section 3. Composition/information on ingredients

<b>BCIP-NBT Substrate (Dako Omnis)</b>			
N,N-Dimethylformamide	N,N-Dimethylformamide	≥1 - ≤5	68-12-2
Magnesium chloride	Magnesium chloride	≥0.1 - ≤1	7786-30-3

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.

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

<b>Eye contact</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	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.
	Anti-FITC-AP (Dako Omnis)	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.
	BCIP-NBT Substrate (Dako Omnis)	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.
<b>Inhalation</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
	Anti-FITC-AP (Dako Omnis)	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.
	BCIP-NBT Substrate (Dako Omnis)	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.
<b>Skin contact</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	Anti-FITC-AP (Dako Omnis)	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
	BCIP-NBT Substrate (Dako Omnis)	Flush contaminated skin with plenty of water.

## Section 4. First-aid measures

	Omnis)	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.
<b>Ingestion</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	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.
	Anti-FITC-AP (Dako Omnis)	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.
	BCIP-NBT Substrate (Dako Omnis)	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.

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

#### Potential acute health effects

<b>Eye contact</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No known significant effects or critical hazards.
	Anti-FITC-AP (Dako Omnis)	No known significant effects or critical hazards.
	BCIP-NBT Substrate (Dako Omnis)	No known significant effects or critical hazards.
<b>Inhalation</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No known significant effects or critical hazards.
	Anti-FITC-AP (Dako Omnis)	No known significant effects or critical hazards.
	BCIP-NBT Substrate (Dako Omnis)	No known significant effects or critical hazards.
<b>Skin contact</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No known significant effects or critical hazards.
	Anti-FITC-AP (Dako Omnis)	No known significant effects or critical hazards.
	BCIP-NBT Substrate (Dako Omnis)	No known significant effects or critical hazards.
<b>Ingestion</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No known significant effects or critical hazards.
	Anti-FITC-AP (Dako Omnis)	No known significant effects or critical hazards.
	BCIP-NBT Substrate (Dako Omnis)	No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

## Section 4. First-aid measures

<b>Eye contact</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No specific data.
	Anti-FITC-AP (Dako Omnis)	No specific data.
	BCIP-NBT Substrate (Dako Omnis)	No specific data.
<b>Inhalation</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No specific data.
	Anti-FITC-AP (Dako Omnis)	No specific data.
	BCIP-NBT Substrate (Dako Omnis)	Adverse symptoms may include the following:  reduced fetal weight increase in fetal deaths skeletal malformations
<b>Skin contact</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No specific data.
	Anti-FITC-AP (Dako Omnis)	No specific data.
	BCIP-NBT Substrate (Dako Omnis)	Adverse symptoms may include the following:  reduced fetal weight increase in fetal deaths skeletal malformations
<b>Ingestion</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No specific data.
	Anti-FITC-AP (Dako Omnis)	No specific data.
	BCIP-NBT Substrate (Dako Omnis)	Adverse symptoms may include the following:  reduced fetal weight increase in fetal deaths skeletal malformations

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

<b>Notes to physician</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
	Anti-FITC-AP (Dako Omnis)	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.
	BCIP-NBT Substrate (Dako Omnis)	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.
<b>Specific treatments</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No specific treatment.
	Anti-FITC-AP (Dako Omnis)	No specific treatment.
	BCIP-NBT Substrate (Dako Omnis)	No specific treatment.
<b>Protection of first-aiders</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No action shall be taken involving any personal risk or without suitable training.
	Anti-FITC-AP (Dako Omnis)	No action shall be taken involving any personal risk or without suitable training.
	BCIP-NBT Substrate (Dako Omnis)	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

## Section 4. First-aid measures

before removing it, or wear gloves.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### Extinguishing media

<b>Suitable extinguishing media</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	Use an extinguishing agent suitable for the surrounding fire.
	Anti-FITC-AP (Dako Omnis)	Use an extinguishing agent suitable for the surrounding fire.
	BCIP-NBT Substrate (Dako Omnis)	Use an extinguishing agent suitable for the surrounding fire.

<b>Unsuitable extinguishing media</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	None known.
	Anti-FITC-AP (Dako Omnis)	None known.
	BCIP-NBT Substrate (Dako Omnis)	None known.

<b>Specific hazards arising from the chemical</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	In a fire or if heated, a pressure increase will occur and the container may burst.
	Anti-FITC-AP (Dako Omnis)	In a fire or if heated, a pressure increase will occur and the container may burst.
	BCIP-NBT Substrate (Dako Omnis)	In a fire or if heated, a pressure increase will occur and the container may burst. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

<b>Hazardous thermal decomposition products</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No specific data.
	Anti-FITC-AP (Dako Omnis)	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides phosphorus oxides
	BCIP-NBT Substrate (Dako Omnis)	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides halogenated compounds

<b>Special protective actions for fire-fighters</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	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.
	Anti-FITC-AP (Dako Omnis)	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.
	BCIP-NBT Substrate (Dako Omnis)	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.

## Section 5. Fire-fighting measures

<b>Special protective equipment for fire-fighters</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	Anti-FITC-AP (Dako Omnis)	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
	BCIP-NBT Substrate (Dako Omnis)	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

<b>For non-emergency personnel</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	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.
	Anti-FITC-AP (Dako Omnis)	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.
	BCIP-NBT Substrate (Dako Omnis)	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.
<b>For emergency responders</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	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".
	Anti-FITC-AP (Dako Omnis)	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".
	BCIP-NBT Substrate (Dako Omnis)	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".
<b>Environmental precautions</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	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).
	Anti-FITC-AP (Dako Omnis)	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).

## Section 6. Accidental release measures

BCIP-NBT Substrate (Dako Omnis)	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). Water polluting material. May be harmful to the environment if released in large quantities.
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### Methods and materials for containment and cleaning up

<b>Methods for cleaning up</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	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.
	Anti-FITC-AP (Dako Omnis)	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.
	BCIP-NBT Substrate (Dako Omnis)	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

<b>Protective measures</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	Put on appropriate personal protective equipment (see Section 8).
	Anti-FITC-AP (Dako Omnis)	Put on appropriate personal protective equipment (see Section 8).
	BCIP-NBT Substrate (Dako Omnis)	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. Avoid release to the environment. 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.
<b>Advice on general occupational hygiene</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	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.
	Anti-FITC-AP (Dako Omnis)	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

## Section 7. Handling and storage

	BCIP-NBT Substrate (Dako Omnis)	contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
<p><b>Conditions for safe storage, including any incompatibilities</b></p>	: CISH Endogenous Enzyme Block (Dako Omnis)	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.
	Anti-FITC-AP (Dako Omnis)	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.
	BCIP-NBT Substrate (Dako Omnis)	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 unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

[Control parameters](#)

[Occupational exposure limits](#)

## Section 8. Exposure controls/personal protection

Ingredient name	Exposure limits
<p><b>CISH Endogenous Enzyme Block (Dako Omnis)</b> hydrogen peroxide</p> <p>Sodium azide</p>	<p><b>CA Alberta Provincial (Canada, 3/2023).</b> OEL: 1 ppm 8 hours. OEL: 1.4 mg/m<sup>3</sup> 8 hours.</p> <p><b>CA British Columbia Provincial (Canada, 8/2023).</b> TWA: 1 ppm 8 hours.</p> <p><b>CA Ontario Provincial (Canada, 6/2019).</b> TWA: 1 ppm 8 hours.</p> <p><b>CA Quebec Provincial (Canada, 9/2023).</b> TWAEV: 1 ppm 8 hours.</p> <p><b>CA Saskatchewan Provincial (Canada, 4/2021).</b> STEL: 2 ppm 15 minutes. TWA: 1 ppm 8 hours.</p> <p><b>CA Alberta Provincial (Canada, 3/2023).</b> C: 0.11 ppm, (hydrazoic acid vapours) OEL: 0.3 mg/m<sup>3</sup>, (hydrazoic acid vapours) 15 minutes. C: 0.29 mg/m<sup>3</sup>, (as Sodium azide)</p> <p><b>CA British Columbia Provincial (Canada, 8/2023).</b> C: 0.29 mg/m<sup>3</sup>, (as sodium azide) C: 0.11 ppm, (as hydrazoic acid vapour)</p> <p><b>CA Ontario Provincial (Canada, 6/2019).</b> Ceiling Limit: 0.11 ppm, (as hydrazoic acid vapor) Ceiling Limit: 0.29 mg/m<sup>3</sup>, (Dust and fumes)</p> <p><b>CA Saskatchewan Provincial (Canada, 4/2021).</b> CEIL: 0.11 ppm, (measured as hydrazoic acid vapour) CEIL: 0.29 mg/m<sup>3</sup>, (measured as sodium azide)</p>
<p><b>Anti-FITC-AP (Dako Omnis)</b> Sodium azide</p>	<p><b>CA Alberta Provincial (Canada, 3/2023).</b> C: 0.11 ppm, (hydrazoic acid vapours) OEL: 0.3 mg/m<sup>3</sup>, (hydrazoic acid vapours) 15 minutes. C: 0.29 mg/m<sup>3</sup>, (as Sodium azide)</p> <p><b>CA British Columbia Provincial (Canada, 8/2023).</b> C: 0.29 mg/m<sup>3</sup>, (as sodium azide) C: 0.11 ppm, (as hydrazoic acid vapour)</p> <p><b>CA Ontario Provincial (Canada, 6/2019).</b> Ceiling Limit: 0.11 ppm, (as hydrazoic acid vapor) Ceiling Limit: 0.29 mg/m<sup>3</sup>, (Dust and fumes)</p> <p><b>CA Saskatchewan Provincial (Canada, 4/2021).</b> CEIL: 0.11 ppm, (measured as hydrazoic acid vapour) CEIL: 0.29 mg/m<sup>3</sup>, (measured as sodium azide)</p>

## Section 8. Exposure controls/personal protection

<p><b>BCIP-NBT Substrate (Dako Omnis)</b> N,N-Dimethylformamide</p>	<p><b>CA Alberta Provincial (Canada, 3/2023). Absorbed through skin.</b> OEL: 30 mg/m<sup>3</sup> 8 hours. OEL: 10 ppm 8 hours.</p> <p><b>CA British Columbia Provincial (Canada, 8/2023). Absorbed through skin.</b> TWA: 5 ppm 8 hours.</p> <p><b>CA Ontario Provincial (Canada, 6/2019). Absorbed through skin.</b> TWA: 10 ppm 8 hours.</p> <p><b>CA Quebec Provincial (Canada, 9/2023). Absorbed through skin.</b> TWAEV: 10 ppm 8 hours. TWAEV: 30 mg/m<sup>3</sup> 8 hours.</p> <p><b>CA Saskatchewan Provincial (Canada, 4/2021). Absorbed through skin.</b> STEL: 15 ppm 15 minutes. TWA: 10 ppm 8 hours.</p>
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### 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: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. 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.

## Section 8. Exposure controls/personal protection

- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## 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** : CISH Endogenous Enzyme Block (Dako Omnis) Liquid.  
Anti-FITC-AP (Dako Omnis) Liquid.  
BCIP-NBT Substrate (Dako Omnis) Liquid.
- Color** : CISH Endogenous Enzyme Block (Dako Omnis) Not available.  
Anti-FITC-AP (Dako Omnis) Not available.  
BCIP-NBT Substrate (Dako Omnis) Not available.
- Odor** : CISH Endogenous Enzyme Block (Dako Omnis) Not available.  
Anti-FITC-AP (Dako Omnis) Not available.  
BCIP-NBT Substrate (Dako Omnis) Not available.
- Odor threshold** : CISH Endogenous Enzyme Block (Dako Omnis) Not available.  
Anti-FITC-AP (Dako Omnis) Not available.  
BCIP-NBT Substrate (Dako Omnis) Not available.
- pH** : CISH Endogenous Enzyme Block (Dako Omnis) Not available.  
Anti-FITC-AP (Dako Omnis) 7.5  
BCIP-NBT Substrate (Dako Omnis) 9
- Melting point/freezing point** : CISH Endogenous Enzyme Block (Dako Omnis) 0°C (32°F)  
Anti-FITC-AP (Dako Omnis) Not available.  
BCIP-NBT Substrate (Dako Omnis) 0°C (32°F)
- Boiling point, initial boiling point, and boiling range** : CISH Endogenous Enzyme Block (Dako Omnis) 100°C (212°F)  
Anti-FITC-AP (Dako Omnis) Not available.  
BCIP-NBT Substrate (Dako Omnis) 100°C (212°F)
- Flash point** : CISH Endogenous Enzyme Block (Dako Omnis) Not available.  
Anti-FITC-AP (Dako Omnis) Not available.  
BCIP-NBT Substrate (Dako Omnis) Not available.

## Section 9. Physical and chemical properties and safety characteristics

Ingredient name	Closed cup			Open cup		
	°C	°F	Method	°C	°F	Method
<b>BCIP-NBT Substrate (Dako Omnis)</b>						
N,N-Dimethylformamide	57.5	135.5	DIN 51755	-	-	-

**Evaporation rate** : CISH Endogenous Enzyme Block (Dako Omnis) Not available.  
Anti-FITC-AP (Dako Omnis) Not available.  
BCIP-NBT Substrate (Dako Omnis) Not available.

**Flammability** : CISH Endogenous Enzyme Block (Dako Omnis) Not applicable.  
Anti-FITC-AP (Dako Omnis) Not applicable.  
BCIP-NBT Substrate (Dako Omnis) Not applicable.

**Lower and upper explosion limit/flammability limit** : CISH Endogenous Enzyme Block (Dako Omnis) Not available.  
Anti-FITC-AP (Dako Omnis) Not available.  
BCIP-NBT Substrate (Dako Omnis) Not available.

**Vapor pressure** :

Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
<b>CISH Endogenous Enzyme Block (Dako Omnis)</b>						
water	17.5	2.3	-	92.258	12.3	-
hydrogen peroxide	0.75	0.1	-	-	-	-
<b>Anti-FITC-AP (Dako Omnis)</b>						
water	17.5	2.3	-	92.258	12.3	-
<b>BCIP-NBT Substrate (Dako Omnis)</b>						
water	17.5	2.3	-	92.258	12.3	-
N,N-Dimethylformamide	3.7	0.49	-	-	-	-

## Section 9. Physical and chemical properties and safety characteristics

**Relative vapor density** : CISH Endogenous Enzyme Block (Dako Omnis) Not available.  
Anti-FITC-AP (Dako Omnis) Not available.  
BCIP-NBT Substrate (Dako Omnis) Not available.

**Relative density** : CISH Endogenous Enzyme Block (Dako Omnis) Not available.  
Anti-FITC-AP (Dako Omnis) Not available.  
BCIP-NBT Substrate (Dako Omnis) Not available.

<b>Solubility(ies)</b>	<b>Media</b>	<b>Result</b>
	<b>CISH Endogenous Enzyme Block (Dako Omnis)</b> water	Soluble
	<b>Anti-FITC-AP (Dako Omnis)</b> water	Soluble
	<b>BCIP-NBT Substrate (Dako Omnis)</b> water	Soluble

**Partition coefficient: n-octanol/water** : CISH Endogenous Enzyme Block (Dako Omnis) Not applicable.  
Anti-FITC-AP (Dako Omnis) Not applicable.  
BCIP-NBT Substrate (Dako Omnis) Not applicable.

<b>Auto-ignition temperature</b>	<b>Ingredient name</b>	<b>°C</b>	<b>°F</b>	<b>Method</b>
	<b>BCIP-NBT Substrate (Dako Omnis)</b> N,N-Dimethylformamide	445	833	-

**Decomposition temperature** : CISH Endogenous Enzyme Block (Dako Omnis) Not available.  
Anti-FITC-AP (Dako Omnis) Not available.  
BCIP-NBT Substrate (Dako Omnis) Not available.

**Viscosity** : CISH Endogenous Enzyme Block (Dako Omnis) Not available.  
Anti-FITC-AP (Dako Omnis) Not available.  
BCIP-NBT Substrate (Dako Omnis) Not available.

### Particle characteristics

**Median particle size** : CISH Endogenous Enzyme Block (Dako Omnis) Not applicable.  
Anti-FITC-AP (Dako Omnis) Not applicable.  
BCIP-NBT Substrate (Dako Omnis) Not applicable.

## Section 10. Stability and reactivity

<b>Reactivity</b>	: CISH Endogenous Enzyme Block (Dako Omnis) Anti-FITC-AP (Dako Omnis)  BCIP-NBT Substrate (Dako Omnis)	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: CISH Endogenous Enzyme Block (Dako Omnis) Anti-FITC-AP (Dako Omnis) BCIP-NBT Substrate (Dako Omnis)	The product is stable. The product is stable. The product is stable.
<b>Possibility of hazardous reactions</b>	: CISH Endogenous Enzyme Block (Dako Omnis) Anti-FITC-AP (Dako Omnis)  BCIP-NBT Substrate (Dako Omnis)	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: CISH Endogenous Enzyme Block (Dako Omnis) Anti-FITC-AP (Dako Omnis) BCIP-NBT Substrate (Dako Omnis)	No specific data. No specific data. No specific data.
<b>Incompatible materials</b>	: CISH Endogenous Enzyme Block (Dako Omnis) Anti-FITC-AP (Dako Omnis) BCIP-NBT Substrate (Dako Omnis)	May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials.
<b>Hazardous decomposition products</b>	: CISH Endogenous Enzyme Block (Dako Omnis)  Anti-FITC-AP (Dako Omnis)  BCIP-NBT Substrate (Dako Omnis)	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
CISH Endogenous Enzyme Block (Dako Omnis) hydrogen peroxide	LD50 Dermal	Rabbit - Male, Female	>2000 mg/kg 35% solution	-
	LD50 Oral	Rat - Female	693.7 mg/kg 70% solution	-
Sodium azide	LC50 Inhalation Dusts and mists	Rat - Male, Female	0.054 to 0.52 mg/l	4 hours

## Section 11. Toxicological information

<b>Anti-FITC-AP (Dako Omnis)</b>	LD50 Dermal	Rabbit	20 mg/kg	-	
	LD50 Dermal	Rat	50 mg/kg	-	
	LD50 Oral	Rat	27 mg/kg	-	
Polyoxyethylene octyl phenyl ether	LD50 Oral	Rat	1800 mg/kg	-	
	Sodium azide	LC50 Inhalation Dusts and mists	Rat - Male, Female	0.054 to 0.52 mg/l	4 hours
		LD50 Dermal	Rabbit	20 mg/kg	-
<b>BCIP-NBT Substrate (Dako Omnis)</b>	LD50 Dermal	Rat	50 mg/kg	-	
	LD50 Oral	Rat	27 mg/kg	-	
	N,N-Dimethylformamide	LC50 Inhalation Vapor	Rat	3421 ppm	1 hours
LC50 Inhalation Vapor		Rat	1948 ppm	4 hours	
LD50 Oral		Rat	4000 mg/kg	-	
Magnesium chloride	LD50 Dermal	Rat - Male, Female	>2000 mg/kg	-	
	LD50 Oral	Rat	2800 mg/kg	-	

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>CISH Endogenous Enzyme Block (Dako Omnis)</b> hydrogen peroxide	Eyes - Severe irritant	Rabbit	-	1 mg	-
<b>Anti-FITC-AP (Dako Omnis)</b> Polyoxyethylene octyl phenyl ether	Skin - Mild irritant	Rabbit	-	24 hours 500 uL	-
<b>BCIP-NBT Substrate (Dako Omnis)</b> N,N-Dimethylformamide	Eyes - Severe irritant	Rabbit	-	100 %	-

### Sensitization

Not available.

### Mutagenicity

**Conclusion/Summary** : Not available.

### Carcinogenicity

**Conclusion/Summary** : Not available.

### Classification

Product/ingredient name	IARC	NTP	ACGIH
<b>CISH Endogenous Enzyme Block (Dako Omnis)</b> hydrogen peroxide	3	-	A3
Sodium azide	-	-	A4
<b>Anti-FITC-AP (Dako Omnis)</b> Sodium azide	-	-	A4
<b>BCIP-NBT Substrate (Dako Omnis)</b> N,N-Dimethylformamide	2A	-	A3

## Section 11. Toxicological information

### Reproductive toxicity

**Conclusion/Summary** : Not available.

### Teratogenicity

**Conclusion/Summary** : Not available.

### Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
<b>CISH Endogenous Enzyme Block (Dako Omnis)</b> hydrogen peroxide	Category 3	-	Respiratory tract irritation
Sodium azide	Category 1	-	cardiovascular system, gastrointestinal tract
<b>Anti-FITC-AP (Dako Omnis)</b> Sodium azide	Category 1	-	cardiovascular system, gastrointestinal tract

### Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
<b>CISH Endogenous Enzyme Block (Dako Omnis)</b> Sodium azide	Category 2	-	central nervous system (CNS)
<b>Anti-FITC-AP (Dako Omnis)</b> Sodium azide	Category 2	-	central nervous system (CNS)

### Aspiration hazard

Not available.

### Information on the likely routes of exposure

: CISH Endogenous Enzyme Block (Dako Omnis) Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.  
 Anti-FITC-AP (Dako Omnis) Not available.  
 BCIP-NBT Substrate (Dako Omnis) Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

### Potential acute health effects

#### Eye contact

: CISH Endogenous Enzyme Block (Dako Omnis) No known significant effects or critical hazards.  
 Anti-FITC-AP (Dako Omnis) No known significant effects or critical hazards.  
 BCIP-NBT Substrate (Dako Omnis) No known significant effects or critical hazards.

#### Inhalation

: CISH Endogenous Enzyme Block (Dako Omnis) No known significant effects or critical hazards.  
 Anti-FITC-AP (Dako Omnis) No known significant effects or critical hazards.  
 BCIP-NBT Substrate (Dako Omnis) No known significant effects or critical hazards.

## Section 11. Toxicological information

<b>Skin contact</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No known significant effects or critical hazards.
	Anti-FITC-AP (Dako Omnis)	No known significant effects or critical hazards.
	BCIP-NBT Substrate (Dako Omnis)	No known significant effects or critical hazards.
<b>Ingestion</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No known significant effects or critical hazards.
	Anti-FITC-AP (Dako Omnis)	No known significant effects or critical hazards.
	BCIP-NBT Substrate (Dako Omnis)	No known significant effects or critical hazards.

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

<b>Eye contact</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No specific data.
	Anti-FITC-AP (Dako Omnis)	No specific data.
	BCIP-NBT Substrate (Dako Omnis)	No specific data.
<b>Inhalation</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No specific data.
	Anti-FITC-AP (Dako Omnis)	No specific data.
	BCIP-NBT Substrate (Dako Omnis)	Adverse symptoms may include the following:  reduced fetal weight increase in fetal deaths skeletal malformations
<b>Skin contact</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No specific data.
	Anti-FITC-AP (Dako Omnis)	No specific data.
	BCIP-NBT Substrate (Dako Omnis)	Adverse symptoms may include the following:  reduced fetal weight increase in fetal deaths skeletal malformations
<b>Ingestion</b>	: CISH Endogenous Enzyme Block (Dako Omnis)	No specific data.
	Anti-FITC-AP (Dako Omnis)	No specific data.
	BCIP-NBT Substrate (Dako Omnis)	Adverse symptoms may include the following:  reduced fetal weight increase in fetal deaths skeletal malformations

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

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

## Section 11. Toxicological information

<b>General</b>	: CISH Endogenous Enzyme Block (Dako Omnis) Anti-FITC-AP (Dako Omnis) BCIP-NBT Substrate (Dako Omnis)	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: CISH Endogenous Enzyme Block (Dako Omnis) Anti-FITC-AP (Dako Omnis) BCIP-NBT Substrate (Dako Omnis)	No known significant effects or critical hazards. No known significant effects or critical hazards. May cause cancer. Risk of cancer depends on duration and level of exposure.
<b>Mutagenicity</b>	: CISH Endogenous Enzyme Block (Dako Omnis) Anti-FITC-AP (Dako Omnis) BCIP-NBT Substrate (Dako Omnis)	No known significant effects or critical hazards. No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Reproductive toxicity</b>	: CISH Endogenous Enzyme Block (Dako Omnis) Anti-FITC-AP (Dako Omnis) BCIP-NBT Substrate (Dako Omnis)	No known significant effects or critical hazards. No known significant effects or critical hazards. May damage fertility or the unborn child.

### 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)
<b>CISH Endogenous Enzyme Block (Dako Omnis)</b> CISH Endogenous Enzyme Block (Dako Omnis) hydrogen peroxide Sodium azide	23128.0 693.7 27	83350 2500 20	N/A N/A N/A	366.7 11 N/A	N/A N/A 0.054
<b>Anti-FITC-AP (Dako Omnis)</b> Polyoxyethylene octyl phenyl ether Sodium azide	1800 27	N/A 20	N/A N/A	N/A N/A	N/A 0.054
<b>BCIP-NBT Substrate (Dako Omnis)</b> BCIP-NBT Substrate (Dako Omnis) N,N-Dimethylformamide Magnesium chloride	235552.9 4000 2800	88332.4 1500 2500	N/A N/A N/A	647.8 11 N/A	N/A N/A N/A

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
<b>CISH Endogenous Enzyme Block (Dako Omnis)</b> hydrogen peroxide	Acute EC50 1.2 mg/l Marine water Acute EC50 2320 µg/l Fresh water Acute LC50 93 ppm Fresh water Chronic NOEC 0.63 mg/l Fresh water Chronic NOEC 100 mg/l Fresh water	Algae - <i>Dunaliella tertiolecta</i> - Exponential growth phase Daphnia - <i>Daphnia magna</i> - Neonate Fish - <i>Oncorhynchus mykiss</i> Daphnia - <i>Daphnia Magna</i> Fish - <i>Micropterus salmoides</i>	72 hours 48 hours 96 hours 21 days 28 days

## Section 12. Ecological information

Sodium azide	Acute EC50 9200 µg/l Marine water	Algae - <i>Macrocystis pyrifera</i>	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - <i>Simocephalus serrulatus</i> - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - <i>Daphnia pulex</i> - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water Chronic NOEC 5600 µg/l Marine water	Fish - <i>Lepomis macrochirus</i> Algae - <i>Macrocystis pyrifera</i>	96 hours 96 hours
<b>Anti-FITC-AP (Dako Omnis)</b> Polyoxyethylene octyl phenyl ether	Acute LC50 5.85 mg/l Fresh water	Crustaceans - <i>Ceriodaphnia rigaudi</i> - Neonate	48 hours
	Acute LC50 11.2 mg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	48 hours
	Acute LC50 4500 µg/l Fresh water Chronic NOEC 0.004 mg/l Fresh water	Fish - <i>Pimephales promelas</i> Fish - <i>Gambusia holbrooki</i>	96 hours 28 days
Sodium azide	Acute EC50 9200 µg/l Marine water	Algae - <i>Macrocystis pyrifera</i>	96 hours
	Acute EC50 6.4 mg/l Fresh water	Crustaceans - <i>Simocephalus serrulatus</i> - Larvae	48 hours
	Acute EC50 4.2 mg/l Fresh water	Daphnia - <i>Daphnia pulex</i> - Larvae	48 hours
	Acute LC50 0.68 mg/l Fresh water Chronic NOEC 5600 µg/l Marine water	Fish - <i>Lepomis macrochirus</i> Algae - <i>Macrocystis pyrifera</i>	96 hours 96 hours
<b>BCIP-NBT Substrate (Dako Omnis)</b> 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
Magnesium chloride	Acute EC50 >100 mg/l Fresh water	Algae - <i>Desmodesmus subspicatus</i>	72 hours
	Acute EC50 180000 µg/l Fresh water	Crustaceans - <i>Eudiaptomus padanus</i> ssp. <i>padanus</i> - Adult	48 hours
	Acute IC50 6.8 mg/l Fresh water	Aquatic plants - <i>Lemna aequinoctialis</i>	96 hours
	Acute LC50 32000 µg/l Fresh water	Daphnia - <i>Daphnia hyalina</i> - Adult	48 hours
	Acute LC50 2120 mg/l Fresh water	Fish - <i>Pimephales promelas</i>	96 hours
	Acute NOEC 100 mg/l Fresh water Chronic NOEC 0.1 mg/l Fresh water	Algae - <i>Desmodesmus subspicatus</i> Fish - <i>Cyprinus carpio</i>	72 hours 35 days

### Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
<b>BCIP-NBT Substrate (Dako Omnis)</b> N,N-Dimethylformamide	-	100 % - Readily - 21 days	-	-

## Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
<b>CISH Endogenous Enzyme Block (Dako Omnis)</b> hydrogen peroxide	-	-	Readily
<b>Anti-FITC-AP (Dako Omnis)</b> Polyoxyethylene octyl phenyl ether	-	-	Readily
<b>BCIP-NBT Substrate (Dako Omnis)</b> N,N-Dimethylformamide	-	-	Readily

### Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<b>CISH Endogenous Enzyme Block (Dako Omnis)</b> hydrogen peroxide	-1.36	-	Low
<b>Anti-FITC-AP (Dako Omnis)</b> Polyoxyethylene octyl phenyl ether	4.86	-	High
<b>BCIP-NBT Substrate (Dako Omnis)</b> N,N-Dimethylformamide	-1.01	0.79	Low

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : 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** : None of the components are listed.

**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** : All components are active or exempted.

## Section 16. Other information

### History

**Date of issue/Date of revision** : 11/12/2024

**Date of previous issue** : 10/20/2023

**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
<b>BCIP-NBT Substrate (Dako Omnis)</b> CARCINOGENICITY - Category 1 TOXIC TO REPRODUCTION - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 3	Calculation method Calculation method Calculation method

 Indicates information that has changed from previously issued version.

### Notice to reader

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