

# SAFETY DATA SHEET

Fluorochrome conjugated antibodies for flow cytometry

## Section 1. Identification

### 1.1 Product identifier

- Product name** : Fluorochrome conjugated antibodies for flow cytometry
- Part no.** : F0054, F0058, F0185, F0188, F0189, F0372, F0395, F0434, F0435, F0479, F0713, F0714, F0765, F0766, F0767, F0768, F0788, F0789, F0795, F0799, F0800, F0801, F0803, F0817, F0818, F0826, F0829, F0830, F0831, F0832, F0844, F0849, F0860, F0861, F0870, F7011, F7053, F7060, F7062, F7081, F7088, F7101, F7102, F7110, F7112, F7134, F7135, F7137, F7138, F7139, F7141, F7143, F7149, F7172, F7178, F7205, F7210, F7266, F7268, F7270, F7274, F7276, PB982, PB984, PB985, PB986, X0927, X0929, X0933, X0934, X0941, X0987
- Validation date** : 7/22/2020

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

- Material uses** :  Laboratory use
- Container type: Bottle
- F0054//Polyclonal Swine anti Rabbit Immunoglobulins/FITC, Swine F(ab')<sub>2</sub>//0.2-100mL
- F0058//Polyclonal Rabbit anti Human IgM/FITC, Rabbit F(ab')<sub>2</sub>//0.2-100mL
- F0185// Polyclonal Rabbit anti Human IgG/FITC, Rabbit F(ab')<sub>2</sub>//0.2-100mL
- F0188//Polyclonal Rabbit anti Human IgA/FITC, Rabbit F(ab')<sub>2</sub>//0.2-100mL
- F0189//Polyclonal Rabbit anti Human IgD/FITC, Rabbit F(ab')<sub>2</sub>//0.2-100mL
- F0372//Polyclonal Rabbit anti Human Lysozyme EC 3.2.1.17/FITC//0.2-100mL
- F0395//Polyclonal Rabbit anti Human Lactoferrin/FITC//0.2-100mL
- F0434//Polyclonal Rabbit anti Human Kappa Light Chains/FITC, Rabbit F(ab')<sub>2</sub>//0.2-100mL
- F0435//Polyclonal Rabbit anti Human Lambda Light Chains/FITC, Rabbit F(ab')<sub>2</sub>//0.2-100mL
- F0479//Polyclonal Goat anti Mouse Immunoglobulins/FITC, Goat F(ab')<sub>2</sub>//0.2-100mL
- F0713//Monoclonal Mouse anti Human CD11c, Protein 150,95/FITC, Clone KB90//0.2-100mL
- F0714//Monoclonal Mouse anti Human Myeloperoxidase/FITC, Clone MPO-7//0.2-100mL
- F0765//Monoclonal Mouse anti Human CD8/FITC, Clone DK25//0.2-100mL
- F0766//Monoclonal Mouse anti Human CD4/FITC, Clone MT310//0.2-100mL
- F0767//Monoclonal Mouse anti Human CD2/FITC, Clone MT910//0.2-100mL
- F0768//Monoclonal Mouse anti Human CD19/FITC, Clone HD37//0.2-100mL
- F0788//Monoclonal Mouse anti Human Ki-67 Antigen/FITC, Clone Ki-67//0.2-100mL
- F0789//Monoclonal Mouse anti Human CD7/FITC, Clone DK24//0.2-100mL
- F0795// Monoclonal Mouse anti Human CD5/FITC, Clone DK23//0.2-100mL
- F0799// Monoclonal Mouse anti Human CD20/FITC, Clone B-Ly1//0.2-100mL
- F0800// Monoclonal Mouse anti Human CD45RO/FITC, Clone UCHL1//0.2-100mL
- F0801//Monoclonal Mouse anti Human CD25, Interleukin-2 Receptor/FITC, Clone ACT-1//0.2-100mL
- F0803//Monoclonal Mouse anti Human CD61, Platelet Glycoprotein IIIa/FITC, Clone Y2/51//0.2-100mL
- F0817//Monoclonal Mouse anti Human HLA-DP, DQ, DR Antigen/FITC, Clone CR3/43//0.2-100mL
- F0818//Monoclonal Mouse anti Human CD3/FITC, Clone UCHT1//0.2-100mL
- F0826//Monoclonal Mouse anti Human CD10/FITC, Clone SS2/36//0.2-100mL
- F0829//Monoclonal Mouse anti Human CD71, Transferrin Receptor/FITC, Clone Ber-T9//0.2-100mL
- F0830//Monoclonal Mouse anti Human CD15/FITC, Clone C3D-1//0.2-100mL
- F0831//Monoclonal Mouse anti Human CD13/FITC, Clone WM-47//0.2-100mL
- F0832//Monoclonal Mouse anti Human CD33/FITC, Clone WM-54//0.2-100mL
- F0844//Monoclonal Mouse anti Human CD14/FITC, Clone TÜK4//0.2-100mL
- F0849//Monoclonal Mouse anti Human CD30/FITC, Clone Ber-H2//0.2-100mL
- F0860//Monoclonal Mouse anti Human Epithelial Antigen/FITC, Clone Ber-EP4//0.2-100mL
- F0861// Monoclonal Mouse anti Human CD45, Leucocyte Common Antigen/FITC, Clone T29/33//0.2-100mL
- F0870//Monoclonal Mouse anti Human CD235a, Glycophorin A/FITC, Clone JC159//0.2-100mL
- F7011//Monoclonal Mouse anti Human Mouse anti Human CD16, Fc Gamma Receptor

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III/FITC, Clone DJ130c//0.2-100mL  
 F7053//Monoclonal Mouse anti Human BCL2 Oncoprotein/FITC, Clone 124//0.2-100mL  
 F7060//Monoclonal Mouse anti Human CD22/FITC, Clone 4KB128//0.2-100mL  
 F7062//Monoclonal Mouse anti Human CD23/FITC, Clone MHM6//0.2-100mL  
 F7081//Monoclonal Mouse anti Human CD34 Class III/FITC, Clone BIRMA-K3//0.2-100mL  
 F7088//Monoclonal Mouse anti Human CD41, Platelet Glycoprotein IIb/FITC, Clone 5B12//0.2-100mL  
 F7101//Monoclonal Mouse anti Human CD38/FITC, Clone AT13/5//0.2-100mL  
 F7102//Monoclonal Mouse anti Human CD43/FITC, Clone DF-T1//0.2-100mL  
 F7110//Monoclonal Mouse anti Human B Cell/FITC, Clone FMC7//0.2-100mL  
 F7112//Monoclonal Mouse anti Human CD66abce/FITC, Clone Kat4c//0.2-100mL  
 F7134//Monoclonal Mouse anti Human CD24/FITC, Clone SN3//0.2-100mL  
 F7135//Monoclonal Mouse anti Human CD68/FITC, Clone KP1//0.2-100mL  
 F7137//Monoclonal Mouse anti Human CD79 $\beta$ /FITC, Clone SN8//0.2-100mL  
 F7138//Monoclonal Mouse anti Human CD103, Mucosa Lymphocyte Antigen/FITC, Clone Ber-ACT8//0.2-100mL  
 F7139//Monoclonal Mouse anti Human Terminal Deoxynucleotidyl Transferase/FITC, Clone HT-6//0.2-100mL  
 F7141//Monoclonal Mouse anti Human CD1a/FITC, Clone NA1/34//0.2-100mL  
 F7143//Monoclonal Mouse anti Human CD54, ICAM-1/FITC, Clone 6.5B5//0.2-100mL  
 F7149//Monoclonal Mouse anti Human Plasma Cell/FITC, Clone VS38c//0.2-100mL  
 F7172//Monoclonal Mouse anti Human CD69/FITC, Clone FN50// 0.2-100mL  
 F7178//Monoclonal Mouse anti Human CD27/FITC, Clone M-T271//0.2-100mL  
 F7205//Monoclonal Mouse anti Human CD86/FITC, Clone BU63//0.2-100mL  
 F7210//Monoclonal Mouse anti Bromodeoxyuridine/FITC, Clone Bu20a//0.2-100mL  
 F7266//Monoclonal Mouse anti Human HLA-DR Antigen/FITC, Clone AB3//0.2-100mL  
 F7268//Monoclonal Mouse anti Human Ki-67 Antigen/FITC, Clone MIB-1//0.2-100mL  
 F7270//Monoclonal Mouse anti Human CD57/FITC, Clone TB01//0.2-100mL  
 F7274//Monoclonal Mouse anti Human CD90/FITC, Clone 5E10//0.2-100mL  
 F7276//Monoclonal Mouse anti Human CD7/FITC, Clone CBC.37//0.2-100mL  
 PB982//Monoclonal Mouse anti Human CD3/PB, Clone UCHT1//0.2-100mL  
 PB984//Monoclonal Mouse anti Human CD8/PB, Clone DK25//0.2-100mL  
 PB985//Monoclonal Mouse anti Human CD19/PB, Clone HD37//0.2-100mL  
 PB986//Monoclonal Mouse anti Human CD45, Leucocyte Common Antigen/PB, Clone T29/33//0.2-100mL  
 X0927//Control Reagent, Mouse IgG1/FITC//0.2-100mL  
 X0929//Control Reagent, Rabbit F(ab')<sub>2</sub>/FITC//0.2-100mL  
 X0933//Control Reagent, Mouse IgG2a/FITC//0.2-100mL  
 X0934//Control Reagent, Mouse IgM/FITC//0.2-100mL  
 X0941//Control Reagent, Mouse IgG2b/FITC//0.2-100mL  
 X0987//Control Reagent, Mouse IgG1/PB//0.2-100mL  
 Reference number: SDS405

### [1.3 Details of the supplier of the safety data sheet](#)

#### Supplier/Manufacturer

: Agilent Technologies, Inc.  
 5301 Stevens Creek Blvd  
 Santa Clara, CA 95051, USA  
 Tel: +1 800 227 9770

Agilent Technologies Singapore (International) Pte Ltd.  
 No. 1 Yishun Avenue 7  
 Singapore, 768923  
 Tel. (65) 6276 2622

Agilent Technologies Denmark ApS  
 Produktionsvej 42  
 2600 Glostrup,  
 Denmark  
 Tel. +45 44 85 95 00

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www.Agilent.com

**e-mail address of person responsible for this SDS** : SDS@Agilent.com

### 1.4 Emergency telephone number

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


## Section 2. Hazards identification

### 2.1 Classification of the substance or mixture

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

### Classification of the substance or mixture

Not classified.

 Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1%

### 2.2 GHS label elements

- Signal word** : No signal word.  
**Hazard statements** : No known significant effects or critical hazards.  
**Precautionary statements**
- Prevention** : Not applicable.  
**Response** : Not applicable.  
**Storage** : Not applicable.  
**Disposal** : Not applicable.

### 2.3 Other hazards

**Hazards not otherwise classified** : None known.

## Section 3. Composition/information on ingredients


**Substance/mixture** : Mixture

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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

## Section 4. First aid measures

### 4.1 Description of necessary first aid measures

- Eye contact** : 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** :  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.

## Section 4. First aid measures

- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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

#### Potential acute health effects

- Eye contact** : No known significant effects or critical hazards.
- Inhalation** : No known significant effects or critical hazards.
- Skin contact** : No known significant effects or critical hazards.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

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

- Notes to physician** : 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** : No specific treatment.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

### 5.2 Special hazards arising from the substance or mixture

- Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
sulfur oxides

### 5.3 Advice for firefighters

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

### 6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : 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** : 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".

- 6.2 Environmental precautions** : 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).



### 6.3 Methods and materials for containment and cleaning up

- Methods for cleaning up** : 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

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

- 7.2 Conditions for safe storage, including any incompatibilities** :  Specific storage conditions: Please consult the label.  
 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.

### 7.3 Specific end use(s)

- Recommendations** : Industrial applications, Professional applications.
- Industrial sector specific solutions** : Not applicable.

## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
None.	

### 8.2 Exposure controls

## Section 8. Exposure controls/personal protection

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.
- Individual protection measures**
- Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

- Physical state** : Liquid.
- Color** : FITC conjugates: Yellow. (Light) / Green.  
Pacific blue conjugates: Blue. (Light)
- Odor** : Not available.
- Odor threshold** : Not available.
- pH** : 7 to 7.4
- Melting point** : 0°C (32°F)
- Boiling point** : 100°C (212°F)
- Flash point** : Not available.
- Evaporation rate** : Not available.
- Flammability (solid, gas)** : Not applicable.
- Lower and upper explosive (flammable) limits** : Not available.
- Vapor pressure** : Not available.
- Vapor density** : Not available.

## Section 9. Physical and chemical properties

<b>Relative density</b>	: Not available.
<b>Solubility</b>	: Easily soluble in the following materials: cold water and hot water.
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.
<b>Viscosity</b>	: Not available.

## Section 10. Stability and reactivity

<b>10.1 Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>10.2 Chemical stability</b>	: The product is stable.
<b>10.3 Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>10.4 Conditions to avoid</b>	: No specific data.
<b>10.5 Incompatible materials</b>	: May react or be incompatible with oxidizing materials.
<b>10.6 Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Not available.

#### Irritation/Corrosion

Not available.

#### Sensitization

Not available.

#### Mutagenicity

**Conclusion/Summary** : Not available.

#### Carcinogenicity

**Conclusion/Summary** : Not available.

#### Reproductive toxicity

**Conclusion/Summary** : Not available.

#### Teratogenicity

**Conclusion/Summary** : Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

Not available.



## Section 11. Toxicological information

**Information on the likely routes of exposure** : Not available.

### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.  
**Inhalation** : No known significant effects or critical hazards.  
**Skin contact** : No known significant effects or critical hazards.  
**Ingestion** : No known significant effects or critical hazards.

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

**Eye contact** : No specific data.  
**Inhalation** : No specific data.  
**Skin contact** : No specific data.  
**Ingestion** : No specific data.

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

#### Short term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.  
**Potential delayed effects** : Not available.

#### Potential chronic health effects

**General** : No known significant effects or critical hazards.  
**Carcinogenicity** : No known significant effects or critical hazards.  
**Mutagenicity** : No known significant effects or critical hazards.  
**Teratogenicity** : No known significant effects or critical hazards.  
**Developmental effects** : No known significant effects or critical hazards.  
**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

N/A

## Section 12. Ecological information

### 12.1 Toxicity

Not available.

### 12.2 Persistence and degradability

Not available.



## Section 12. Ecological information

### 12.3 Bioaccumulative potential

Not available.

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

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

## Section 13. Disposal considerations

### 13.1 Waste treatment methods

**Disposal methods** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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

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

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

## Section 14. Transport information

**DOT / TDG / Mexico / IMDG / IATA** : Not regulated.

**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

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

**U.S. Federal regulations** : TSCA 8(a) CDR Exempt/Partial exemption: Not determined

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

## Section 15. Regulatory information

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(gallons)	(lbs)	(gallons)
Sodium azide	<0.1	Yes.	500	-	1000	-

**SARA 304 RQ** : 1025641 lbs / 465641 kg

### SARA 311/312

**Classification** :  Not applicable.

#### Composition/information on ingredients

No products were found.

### State regulations

**Massachusetts** : None of the components are listed.

**New York** : None of the components are listed.

**New Jersey** : None of the components are listed.

**Pennsylvania** : None of the components are listed.

### California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### Montreal Protocol

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

**Australia** : Not determined.

**Canada** :  Not determined.

**China** : All components are listed or exempted.

**Europe** : All components are listed or exempted.

## Section 15. Regulatory information

<b>Japan</b>	: <input checked="" type="checkbox"/> <b>Japan inventory (ENCS):</b> Not determined. <b>Japan inventory (ISHL):</b> Not determined.
<b>New Zealand</b>	: Not determined.
<b>Philippines</b>	: Not determined.
<b>Republic of Korea</b>	: Not determined.
<b>Taiwan</b>	: All components are listed or exempted.
<b>Thailand</b>	: <input checked="" type="checkbox"/> Not determined.
<b>Turkey</b>	: Not determined.
<b>United States</b>	: <input checked="" type="checkbox"/> All components are active or exempted.
<b>Viet Nam</b>	: <input checked="" type="checkbox"/> Not determined.

## Section 16. Other information

### History

<b>Date of issue</b>	: 07/22/2020
<b>Date of previous issue</b>	: 07/21/2016
<b>Version</b>	: 2

### Key to abbreviations

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

### Procedure used to derive the classification

Classification	Justification
Not classified.	

Indicates information that has changed from previously issued version.

### Notice to reader

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