

SAFETY DATA SHEET

Seahorse XF Hu T Cell Activation Assay Kit

Section 1. Identification

Product identifier	: Seahorse XF Hu T Cell Activation Assay Kit	
Part no. (chemical kit)	: 103759-100, 103766-100	
Part no.	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG)	103761-000
	ImmunoCult™ Human CD3/CD28 T Cell Activator	103760-000
Relevant identified uses of the substance or mixture and uses advised against		
Identified uses	: For research use only.	
	<input checked="" type="checkbox"/> -deoxyglucose (2-DG)	2 x 246.24 mg
	ImmunoCult™ Human CD3/CD28 T Cell Activator	1 x 2 ml
Uses advised against	: Not for use in diagnostic procedures (RUO).	
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

Not classified.

GHS label elements

Signal word	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No signal word. No signal word.
Hazard statements	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No known significant effects or critical hazards. No known significant effects or critical hazards.
<u>Precautionary statements</u>		
Prevention	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Not applicable. Not applicable.
Response	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Not applicable. Not applicable.
Storage	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Not applicable. Not applicable.
Disposal	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Not applicable. Not applicable.

Section 2. Hazard identification

Supplemental label elements	: β -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	None known. None known.
	β -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Percentage of the mixture consisting of ingredient(s) of unknown hazards to the aquatic environment: 1.2%
Other hazards which do not result in classification	: β -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	None known. None known.

Section 3. Composition/information on ingredients

Substance/mixture	: β -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Substance Mixture
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Ingredient name	Synonyms	% (w/w)	CAS number
β -deoxyglucose (2-DG)			
2-deoxy-D-glucose	2-deoxy-D-glucose	100	154-17-6

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

Eye contact	: β -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	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. 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	: β -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. 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.
Skin contact	: β -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Section 4. First-aid measures

Ingestion	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	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. 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.
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Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No known significant effects or critical hazards. No known significant effects or critical hazards.
Inhalation	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No known significant effects or critical hazards. No known significant effects or critical hazards.
Skin contact	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No known significant effects or critical hazards. No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No specific data. No specific data.
Inhalation	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No specific data. No specific data.
Skin contact	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No specific data. No specific data.
Ingestion	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No specific data. No specific data.

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

Notes to physician	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. 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	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No specific treatment. No specific treatment.
Protection of first-aiders	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No action shall be taken involving any personal risk or without suitable training. No action shall be taken involving any personal risk or without suitable training.

Section 4. First-aid measures

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media	: 2-Deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
Unsuitable extinguishing media	: 2-Deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	None known. None known.
Specific hazards arising from the chemical	: 2-Deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No specific fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous thermal decomposition products	: 2-Deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Decomposition products may include the following materials: carbon dioxide carbon monoxide Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides phosphorus oxides
Special protective actions for fire-fighters	: 2-Deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	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. 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	: 2-Deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. 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	: 2-Deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	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. 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
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Section 6. Accidental release measures

For emergency responders : ☒-deoxyglucose (2-DG)

ImmunoCult™ Human
CD3/CD28 T Cell Activator

protective equipment.

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".

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 : ☒-deoxyglucose (2-DG)

ImmunoCult™ Human
CD3/CD28 T Cell Activator

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).

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 : ☒-deoxyglucose (2-DG)

ImmunoCult™ Human
CD3/CD28 T Cell Activator

Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

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 : ☒-deoxyglucose (2-DG)

ImmunoCult™ Human
CD3/CD28 T Cell Activator

Put on appropriate personal protective equipment (see Section 8).

Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene


: ☒-deoxyglucose (2-DG)

ImmunoCult™ Human
CD3/CD28 T Cell Activator

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : -deoxyglucose (2-DG)

ImmunoCult™ Human
CD3/CD28 T Cell Activator

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.

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.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

None.

Biological exposure indices

No exposure indices known.

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.

Section 8. Exposure controls/personal protection

- 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 and safety characteristics

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

Appearance

Physical state	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Solid. Liquid. [Clear.]
Color	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Not available. White.
Odor	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Not available. Not available.
Odor threshold	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Not available. Not available.
pH	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Not available. Not available.
Melting point/freezing point	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	146 to 147°C (294.8 to 296.6°F) Not available.
Boiling point, initial boiling point, and boiling range	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Not available. Not available.
Flash point	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Not applicable. Not available.
Evaporation rate	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Not available. Not available.
Flammability	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Not available. Not applicable.
Lower and upper explosion limit/flammability limit	: <input checked="" type="checkbox"/> -deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Not applicable. Not available.
Vapor pressure	:	

Section 9. Physical and chemical properties and safety characteristics

Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
ImmunoCult™ Human CD3/CD28 T Cell Activator						
water	17.5	2.3	-	92.258	12.3	-
Relative vapor density	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator		Not applicable. Not available.			
Relative density	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator		Not available. Not available.			
Solubility(ies)	: Media		Result			
	2-deoxyglucose (2-DG) water		Soluble			
	ImmunoCult™ Human CD3/CD28 T Cell Activator water		Soluble			
Partition coefficient: n-octanol/water	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator		Not available. Not applicable.			
Auto-ignition temperature	: 2-deoxyglucose (2-DG)		Not applicable.			
Decomposition temperature	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator		Not available. Not available.			
Viscosity	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator		Not applicable. Not available.			
Particle characteristics						
Median particle size	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator		Not available. Not applicable.			

Section 10. Stability and reactivity

Reactivity	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	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.
Chemical stability	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	The product is stable. The product is stable.
Possibility of hazardous reactions	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.

Section 10. Stability and reactivity

Conditions to avoid	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No specific data. No specific data.
Incompatible materials	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	May react or be incompatible with oxidizing materials. May react or be incompatible with oxidizing materials.
Hazardous decomposition products	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	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

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.

Information on the likely routes of exposure	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	Not available. Not available.
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Potential acute health effects

Eye contact	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No known significant effects or critical hazards. No known significant effects or critical hazards.
Inhalation	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No known significant effects or critical hazards. No known significant effects or critical hazards.

Section 11. Toxicological information

Skin contact	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No known significant effects or critical hazards. No known significant effects or critical hazards.
Ingestion	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No known significant effects or critical hazards. No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No specific data. No specific data.
Inhalation	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No specific data. No specific data.
Skin contact	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No specific data. No specific data.
Ingestion	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No specific data. 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	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No known significant effects or critical hazards. No known significant effects or critical hazards.
Mutagenicity	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No known significant effects or critical hazards. No known significant effects or critical hazards.
Reproductive toxicity	: 2-deoxyglucose (2-DG) ImmunoCult™ Human CD3/CD28 T Cell Activator	No known significant effects or critical hazards. No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

N/A

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

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. 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.

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

Section 15. Regulatory information

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 : 04/29/2024

Date of previous issue : 10/27/2023

Version : 3.1

[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](#)

Classification	Justification
Not classified.	

 Indicates information that has changed from previously issued version.

[Notice to reader](#)

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