



## Section 2. Hazards identification

<b>Prevention</b>	: D1000 Sample Buffer D1000 Ladder	Not applicable. Not applicable.
<b>Response</b>	: D1000 Sample Buffer D1000 Ladder	Not applicable. Not applicable.
<b>Storage</b>	: D1000 Sample Buffer D1000 Ladder	Not applicable. Not applicable.
<b>Disposal</b>	: D1000 Sample Buffer D1000 Ladder	Not applicable. Not applicable.
<b>Supplemental label elements</b>	: D1000 Sample Buffer D1000 Ladder	None known. None known.

### 2.3 Other hazards

<b>Hazards not otherwise classified</b>	: D1000 Sample Buffer D1000 Ladder	None known. None known.
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## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	: D1000 Sample Buffer D1000 Ladder	Mixture Mixture
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Ingredient name	%	CAS number
D1000 Sample Buffer		
Dimethyl sulfoxide	≤3	67-68-5

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**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

### 4.1 Description of necessary first aid measures

<b>Eye contact</b>	: D1000 Sample Buffer  D1000 Ladder	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.
<b>Inhalation</b>	: D1000 Sample Buffer  D1000 Ladder	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.
<b>Skin contact</b>	: D1000 Sample Buffer  D1000 Ladder	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

<b>Ingestion</b>	: 1000 Sample Buffer	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.
	D1000 Ladder	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.

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

#### Potential acute health effects

<b>Eye contact</b>	: 1000 Sample Buffer D1000 Ladder	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Inhalation</b>	: 1000 Sample Buffer D1000 Ladder	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Skin contact</b>	: 1000 Sample Buffer D1000 Ladder	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Ingestion</b>	: 1000 Sample Buffer D1000 Ladder	No known significant effects or critical hazards. No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

<b>Eye contact</b>	: 1000 Sample Buffer D1000 Ladder	No specific data. No specific data.
<b>Inhalation</b>	: 1000 Sample Buffer D1000 Ladder	No specific data. No specific data.
<b>Skin contact</b>	: 1000 Sample Buffer D1000 Ladder	No specific data. No specific data.
<b>Ingestion</b>	: 1000 Sample Buffer D1000 Ladder	No specific data. No specific data.

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

<b>Notes to physician</b>	: 1000 Sample Buffer  D1000 Ladder	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
<b>Specific treatments</b>	: 1000 Sample Buffer D1000 Ladder	No specific treatment. No specific treatment.
<b>Protection of first-aiders</b>	: 1000 Sample Buffer  D1000 Ladder	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.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	: D1000 Sample Buffer D1000 Ladder	Use an extinguishing agent suitable for the surrounding fire. Use an extinguishing agent suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	: D1000 Sample Buffer D1000 Ladder	None known. None known.

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

<b>Specific hazards arising from the chemical</b>	: D1000 Sample Buffer D1000 Ladder	In a fire or if heated, a pressure increase will occur and the container may burst. In a fire or if heated, a pressure increase will occur and the container may burst.
<b>Hazardous thermal decomposition products</b>	: D1000 Sample Buffer D1000 Ladder	Decomposition products may include the following materials: carbon dioxide carbon monoxide sulfur oxides No specific data.

### 5.3 Advice for firefighters

<b>Special protective actions for fire-fighters</b>	: D1000 Sample Buffer D1000 Ladder	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.
<b>Special protective equipment for fire-fighters</b>	: D1000 Sample Buffer D1000 Ladder	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

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

<b>For non-emergency personnel</b>	: D1000 Sample Buffer D1000 Ladder	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 protective equipment.
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## Section 6. Accidental release measures

**For emergency responders** : D1000 Sample Buffer

D1000 Ladder

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".

**6.2 Environmental precautions** : D1000 Sample Buffer

D1000 Ladder

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).

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

**Methods for cleaning up** : D1000 Sample Buffer

D1000 Ladder

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.  
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** : D1000 Sample Buffer

D1000 Ladder

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

**Advice on general occupational hygiene** : D1000 Sample Buffer

D1000 Ladder

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

### 7.2 Conditions for safe storage, including any incompatibilities

: D1000 Sample Buffer

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.

D1000 Ladder

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

: D1000 Sample Buffer  
D1000 Ladder

Industrial applications, Professional applications.  
Industrial applications, Professional applications.

#### Industrial sector specific solutions

: D1000 Sample Buffer  
D1000 Ladder

Not available.  
Not available.

## Section 8. Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limits

Ingredient name	Exposure limits
D1000 Sample Buffer Dimethyl sulfoxide	<b>OARS WEEL (United States, 4/2022).</b> TWA: 250 ppm 8 hours.

#### Biological exposure indices

No exposure indices known.

### 8.2 Exposure controls

#### 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.

## Section 8. Exposure controls/personal protection

- 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 and safety characteristics

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

### Appearance

- Physical state** : D1000 Sample Buffer Liquid.  
D1000 Ladder Liquid.
- Color** : D1000 Sample Buffer Colorless.  
D1000 Ladder Colorless.
- Odor** : D1000 Sample Buffer Odorless.  
D1000 Ladder Odorless.
- Odor threshold** : D1000 Sample Buffer Not available.  
D1000 Ladder Not available.
- pH** : D1000 Sample Buffer 8  
D1000 Ladder 8
- Melting point/freezing point** : D1000 Sample Buffer Not available.  
D1000 Ladder 0°C (32°F)
- Boiling point, initial boiling point, and boiling range** : D1000 Sample Buffer Not available.  
D1000 Ladder 100°C (212°F)

### Flash point

Ingredient name	Closed cup			Open cup		
	°C	°F	Method	°C	°F	Method
D1000 Sample Buffer						
Dimethyl sulfoxide	87	188.6	ASTM D 93	87	188.6	-

- Evaporation rate** : D1000 Sample Buffer Not available.  
D1000 Ladder Not available.
- Flammability** : D1000 Sample Buffer Not applicable.  
D1000 Ladder Not applicable.
- Lower and upper explosion limit/flammability limit** : D1000 Sample Buffer Not available.  
D1000 Ladder 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
<b>D1000 Sample Buffer</b>						
water	17.5	2.3	-	92.258	12.3	-
Dimethyl sulfoxide	0.42	0.056	EU A.4	-	-	-
<b>D1000 Ladder</b>						
water	17.5	2.3	-	92.258	12.3	-

**Relative vapor density** : D1000 Sample Buffer Not available.  
D1000 Ladder Not available.

**Relative density** : D1000 Sample Buffer Not available.  
D1000 Ladder Not available.

**Solubility(ies)** :

Media	Result
<b>D1000 Sample Buffer</b>	
water	Soluble
<b>D1000 Ladder</b>	
water	Soluble

**Partition coefficient: n-octanol/water** : D1000 Sample Buffer Not applicable.  
D1000 Ladder Not applicable.

**Auto-ignition temperature** :

Ingredient name	°C	°F	Method
<b>D1000 Sample Buffer</b>			
Dimethyl sulfoxide	300 to 302	572 to 575.6	-

**Decomposition temperature** : D1000 Sample Buffer Not available.  
D1000 Ladder Not available.

**Viscosity** : D1000 Sample Buffer Not available.  
D1000 Ladder Not available.

### Particle characteristics

**Median particle size** : D1000 Sample Buffer Not applicable.  
D1000 Ladder Not applicable.

## Section 10. Stability and reactivity

**10.1 Reactivity** : D1000 Sample Buffer No specific test data related to reactivity available for this product or its ingredients.  
D1000 Ladder No specific test data related to reactivity available for this product or its ingredients.

**10.2 Chemical stability** : D1000 Sample Buffer The product is stable.  
D1000 Ladder The product is stable.

**10.3 Possibility of hazardous reactions** : D1000 Sample Buffer Under normal conditions of storage and use, hazardous reactions will not occur.  
D1000 Ladder Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid** : D1000 Sample Buffer No specific data.  
D1000 Ladder No specific data.

## Section 10. Stability and reactivity

**10.5 Incompatible materials** : D1000 Sample Buffer  
D1000 Ladder

May react or be incompatible with oxidizing materials.  
May react or be incompatible with oxidizing materials.

**10.6 Hazardous decomposition products** : D1000 Sample Buffer  
D1000 Ladder

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

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
<b>D1000 Sample Buffer</b> Dimethyl sulfoxide	LD50 Dermal LD50 Oral	Rat Rat	40000 mg/kg 14500 mg/kg	- -

#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
<b>D1000 Sample Buffer</b> Dimethyl sulfoxide	Eyes - Mild irritant Eyes - Mild irritant	Rabbit Rabbit	- -	100 mg 24 hours 500 mg	- -
	Skin - Mild irritant Skin - Mild irritant	Rabbit Rabbit	- -	100 mg 24 hours 500 mg	- -

#### 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** : D1000 Sample Buffer  
D1000 Ladder

Not available.  
Not available.

## Section 11. Toxicological information

### Potential acute health effects

<b>Eye contact</b>	: D1000 Sample Buffer D1000 Ladder	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Inhalation</b>	: D1000 Sample Buffer D1000 Ladder	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Skin contact</b>	: D1000 Sample Buffer D1000 Ladder	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Ingestion</b>	: D1000 Sample Buffer D1000 Ladder	No known significant effects or critical hazards. No known significant effects or critical hazards.

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

<b>Eye contact</b>	: D1000 Sample Buffer D1000 Ladder	No specific data. No specific data.
<b>Inhalation</b>	: D1000 Sample Buffer D1000 Ladder	No specific data. No specific data.
<b>Skin contact</b>	: D1000 Sample Buffer D1000 Ladder	No specific data. No specific data.
<b>Ingestion</b>	: D1000 Sample Buffer D1000 Ladder	No specific data. No specific data.

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

#### Short term exposure

<b>Potential immediate effects</b>	: Not available.
<b>Potential delayed effects</b>	: Not available.

#### Long term exposure

<b>Potential immediate effects</b>	: Not available.
<b>Potential delayed effects</b>	: Not available.

### Potential chronic health effects

<b>General</b>	: D1000 Sample Buffer D1000 Ladder	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Carcinogenicity</b>	: D1000 Sample Buffer D1000 Ladder	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Mutagenicity</b>	: D1000 Sample Buffer D1000 Ladder	No known significant effects or critical hazards. No known significant effects or critical hazards.
<b>Reproductive toxicity</b>	: D1000 Sample Buffer D1000 Ladder	No known significant effects or critical hazards. No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
<b>D1000 Sample Buffer</b> Dimethyl sulfoxide	14500	40000	N/A	N/A	N/A

## Section 12. Ecological information

### 12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
D1000 Sample Buffer Dimethyl sulfoxide	Acute LC50 25000 ppm Fresh water  Acute LC50 34000000 µg/l Fresh water Chronic NOEC 100 ul/L Marine water Chronic NOEC 100 ul/L Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate Fish - <i>Pimephales promelas</i> Algae - <i>Ulva lactuca</i> Daphnia - <i>Daphnia magna</i> - Juvenile (Fledgling, Hatchling, Weanling)	48 hours  96 hours 72 hours 21 days

### 12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
D1000 Sample Buffer Dimethyl sulfoxide	OECD 301D Ready Biodegradability - Closed Bottle Test	31 % - Not readily - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
D1000 Sample Buffer Dimethyl sulfoxide	-	-	Not readily

### 12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
D1000 Sample Buffer Dimethyl sulfoxide	-1.35	3.16	Low

### 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.

## Section 13. Disposal considerations

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

**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)
D1000 Sample Buffer Sodium azide	<0.1	Yes.	500	-	1000	-

**SARA 304 RQ** : 5591277.6 lbs / 2538440 kg

### SARA 311/312

**Classification** : D1000 Sample Buffer  
D1000 Ladder

Not applicable.  
Not applicable.

#### Composition/information on ingredients

## Section 15. Regulatory information

Name	%	Classification
<b>D1000 Sample Buffer</b>		
Sucrose	≤10	COMBUSTIBLE DUSTS
Dimethyl sulfoxide	≤3	FLAMMABLE LIQUIDS - Category 4 EYE IRRITATION - Category 2B

### State regulations

- Massachusetts** : The following components are listed: SUCROSE DUST
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: DIMETHYL SULFOXIDE; METHANE, SULFINYLBI-
- Pennsylvania** : The following components are listed: .ALPHA.-D-GLUCOPYRANOSIDE, .BETA.-D-FRUCTOFURANOSYL

### 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.
- Japan** : **Japan inventory (CSCL)**: Not determined.  
**Japan inventory (ISHL)**: Not determined.
- New Zealand** : Not determined.
- Philippines** : Not determined.
- Republic of Korea** : Not determined.
- Taiwan** : All components are listed or exempted.
- Thailand** : Not determined.
- Turkey** : Not determined.
- United States** : Not determined.
- Viet Nam** : Not determined.

## Section 16. Other information

### [Procedure used to derive the classification](#)

Classification	Justification
Not classified.	

### [History](#)

**Date of issue/Date of revision** : 08/12/2024

**Date of previous issue** : 02/03/2022

**Version** : 8

### [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

☑ Indicates information that has changed from previously issued version.

### [Notice to reader](#)

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