


# SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Commission Regulation (EU) 2020/878


## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name	<b>Low-Range Rainbow™ Molecular Weight Markers, 250 µl</b>	
Catalogue Number	RPN755E	 9 0 R P N 7 5 5 E
Product description	Not available.	
Product type	Liquid.	
Other means of identification	Not available.	

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

#### Identified uses

 Analytical chemistry.  
Laboratory chemicals  
Scientific research and development

### 1.3 Details of the supplier of the safety data sheet

<b>Supplier</b>	Cytiva Amersham Place Little Chalfont Buckinghamshire HP7 9NA United Kingdom +44 1494 508000	<b>Hours of operation</b> 08.30 - 17.00
<b>Person who prepared the SDS :</b> sds_author@cytiva.com		

**1.4 Emergency telephone number**  
+49 (0)761 4543 0

**Europe**  
Cytiva Germany/Europe  
Munzinger Str. 5  
79111 Freiburg  
Germany  
t: +49 (0)761 4543 0

### National advisory body/Poison Centre

**Europe** <https://syntecshop.com/wp-content/uploads/Emergency-Phone-numbers-EU.pdf>

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** Mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Skin Irrit. 2, H315  
Eye Irrit. 2, H319

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

**Ingredients of unknown toxicity** 35.5 percent of the mixture consists of component(s) of unknown acute dermal toxicity  
35.5 percent of the mixture consists of component(s) of unknown acute inhalation toxicity

**Ingredients of unknown ecotoxicity** Contains 32.5% of components with unknown hazards to the aquatic environment

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms



Signal word	Warning
Hazard statements	Causes serious eye irritation. Causes skin irritation.
<b>Precautionary statements</b>	
General	Not applicable.
Prevention	Wear protective gloves. Wear eye or face protection. Wash hands thoroughly after handling.
Response	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage	Not applicable.
Disposal	Not applicable.
Supplemental label elements	Contains 2-methylisothiazol-3(2H)-one. May produce an allergic reaction.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Not applicable.

Special packaging requirements

Containers to be fitted with child-resistant fastenings

Not applicable.

Tactile warning of danger

Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification

None known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures Mixture

Product/ingredient name	Identifiers	%	Classification Regulation (EC) No. 1272/2008 [CLP]	Type
mesna	EC: 243-285-9 CAS: 19767-45-4	1.5	Skin Corr. 1B, H314 -	[1]
2-methylisothiazol-3(2H)-one	EC: 220-239-6 CAS: 2682-20-4 Index: 613-326-00-9	0.00024 0.00044	Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 2, H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 EUH071  ATE [Oral] = 100 mg/kg ATE [Dermal] = 300 mg/kg ATE [Inhalation (vapours)] = 0.5 mg/l Skin Sens. 1, H317: C ≥ 0.0015% M [Acute] = 10 M [Chronic] = 1  See Section 16 for the full text of the H statements declared above.	[1]

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a physical, health or environmental hazard

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>Eye contact</b>	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>	If inhaled, remove to fresh air. Get medical attention if symptoms appear.
<b>Skin contact</b>	Wash with soap and water. Get medical attention if irritation develops.
<b>Ingestion</b>	Do not ingest. Get medical attention if symptoms appear.
<b>Protection of first-aiders</b>	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

#### Over-exposure signs/symptoms

<b>Eye contact</b>	Adverse symptoms may include the following: pain or irritation watering redness
<b>Inhalation</b>	No specific data.
<b>Skin contact</b>	Adverse symptoms may include the following: irritation redness
<b>Ingestion</b>	No specific data.

### 4.3 Indication of any immediate medical attention and special treatment needed

<b>Notes to physician</b>	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>	No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	Use an extinguishing agent suitable for the surrounding fire.
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<b>Unsuitable extinguishing media</b>	None known.
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### 5.2 Special hazards arising from the substance or mixture

<b>Hazards from the substance or mixture</b>	In a fire or if heated, a pressure increase will occur and the container may burst.
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<b>Hazardous combustion products</b>	Decomposition products may include the following materials: carbon dioxide carbon monoxide nitrogen oxides sulfur oxides metal oxide/oxides
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### 5.3 Advice for firefighters

<b>Special precautions for fire-fighters</b>	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>	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

<b>For non-emergency personnel</b>	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 spilt material. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
<b>For emergency responders</b>	If specialised 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 spilt 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 material for containment and cleaning up



Small spill	Absorb with an inert material and place in an appropriate waste disposal container.
Large spill	Absorb with an inert material and place in an appropriate waste disposal container.
6.4 Reference to other sections	See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures	Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
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

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 unlabelled 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	Analytical chemistry. Laboratory chemicals. Scientific research and development.
Industrial sector specific solutions	Not available.

SECTION 8: Exposure controls/personal protection

The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control parameters

Occupational exposure limits

No exposure limit value known.

Biological exposure indices

No exposure indices known.

Recommended monitoring procedures	If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.
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DNELs/DMELs

Product/ingredient name	Result
2-methylisothiazol-3(2H)-one	DNEL - General population - Long term - Inhalation 0.021 mg/m³ Effects: Local
	DNEL - Workers - Long term - Inhalation 0.021 mg/m³ Effects: Local
	DNEL - General population - Long term - Oral 0.027 mg/kg bw/day Effects: Systemic
	DNEL - General population - Short term - Inhalation 0.043 mg/m³ Effects: Local
	DNEL - Workers - Short term - Inhalation

0.043 mg/m³  
Effects: Local

**DNEL - General population - Short term - Oral**  
0.053 mg/kg bw/day  
Effects: Systemic

**PNECs**

Not available.

**8.2 Exposure controls**

**Appropriate engineering controls**      Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Individual protection measures**

**Hygiene measures**      Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection**      Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

**Skin protection**

**Hand protection**      Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection**      Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection**      Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection**      A respirator is not needed under normal and intended conditions of product use.

**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.

**SECTION 9: Physical and chemical properties**

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

**9.1 Information on basic physical and chemical properties**

**Appearance**

**Physical state**      Liquid.

**Colour**      Brownish-red.

**Odour**      Odourless.

**Odour threshold**      Not available.



**Melting point/freezing point**      Not available.

**Boiling point or initial boiling point and boiling range**      Not available.

**Flammability**      Not available.

**Lower and upper explosion limit**      Not available.

**Flash point**      [Product does not sustain combustion.]

		<u>Closed cup</u>		<u>Open cup</u>	
Ingredient name	°C	Method	°C	Method	
 odium dodecyl sulphate			>150		
glycerol			177		
<b>Auto-ignition temperature</b>	Not available.				
Ingredient name	°C	Method			
 odium dodecyl sulphate	310.5		VDI 2263		
glycerol	370				
<b>Decomposition temperature</b>	Not available.				
<b>pH</b>	Not available.				

Viscosity	Not available.					
Solubility	Media	Result				
	<input checked="" type="checkbox"/> Cold water	Easily soluble				
	hot water	Easily soluble				
Solubility in water	Not available.					
Partition coefficient: n-octanol/ water	<input checked="" type="checkbox"/> Not applicable.					
Vapour pressure	Not available.					
Ingredient name	<u>Vapour Pressure at 20°C</u>			<u>Vapour pressure at 50°C</u>		
	mm Hg	kPa	Method	mm Hg	kPa	Method
	<input checked="" type="checkbox"/> water	17.5	2.3			
glycerol	0.000075	0.00001		0	0	
Relative density	Not available.					
Relative vapour density	Not available.					
<u>Particle characteristics</u>						
Median particle size	<input checked="" type="checkbox"/> Not applicable.					

9.2 Other information

<b>9.2.1 Information with regard to physical hazard classes</b>	
<b>Burning time</b>	Not applicable.
<b>Burning rate</b>	Not applicable.
<b>Explosive properties</b>	Not considered to be a product presenting a risk of explosion.
<b>Oxidising properties</b>	Not available.
<b>9.2.2 Other safety characteristics</b>	
<b>Evaporation rate</b>	Not available.
Not applicable.	

SECTION 10: Stability and reactivity

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

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product/ingredient name	Result
<input checked="" type="checkbox"/> mesna	<b>Rat - Oral - LD50</b> 4440 mg/kg
<b>Conclusion/Summary [Product]</b> Not available.	
Ingredient name	Conclusion/Summary
<input checked="" type="checkbox"/> 2-methylisothiazol-3(2H)-one	To the best of our knowledge, the toxicological properties of this substance have not been thoroughly investigated.

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapours) (mg/l)	Inhalation (dusts and mists) (mg/l)
<input checked="" type="checkbox"/> Rainbow Markers New Formulation - GROUP	35395.7	N/A	N/A	N/A	N/A
sodium dodecyl sulphate	1288	N/A	N/A	N/A	N/A
mesna	4440	N/A	N/A	N/A	N/A
Glycine, N,N'-1,2-ethanediyIbis[N-(carboxymethyl)-, sodium salt, hydrate (1:2:2)	2000	N/A	N/A	N/A	N/A



**Skin corrosion/irritation**

Not available.

**Conclusion/Summary [Product]** Not available.

**Serious eye damage/eye irritation**

Not available.

**Conclusion/Summary [Product]** Not available.

**Respiratory corrosion/irritation**

Not available.

**Conclusion/Summary [Product]** Not available.

**Respiratory or skin sensitization**

Not available.

**Skin**

**Conclusion/Summary [Product]** Not available.

**Respiratory**

**Conclusion/Summary [Product]** Not available.

**Germ cell mutagenicity**

Not available.


**Conclusion/Summary [Product]** Not available.

**Carcinogenicity**

Not available.

**Conclusion/Summary [Product]** Not available.

**Ingredient name**

-methylisothiazol-3(2H)-one

**Conclusion/Summary**

To the best of our knowledge, the toxicological properties of this substance have not been thoroughly investigated.

**Reproductive toxicity**

Not available.

**Conclusion/Summary [Product]** Not available.

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

Not available.


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

Not available.

**Aspiration hazard**


Not available.


**Information on likely routes of exposure**

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

**Potential acute health effects**

- Inhalation

No known significant effects or critical hazards.
- Ingestion

No known significant effects or critical hazards.
- Skin contact

Causes skin irritation.
- Eye contact

Causes serious eye irritation.

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

- Inhalation

No specific data.
- Ingestion

No specific data.



- Skin contact

Adverse symptoms may include the following:  
irritation  
redness
- Eye contact

Adverse symptoms may include the following:  
pain or irritation  
watering  
redness

Delayed and immediate effects as well as 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

Not available.

Conclusion/Summary [Product]      Not available.

- General

No known significant effects or critical hazards.
- Carcinogenicity

No known significant effects or critical hazards.
- Mutagenicity

No known significant effects or critical hazards.
- Reproductive toxicity

☒ No known significant effects or critical hazards.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

Conclusion/Summary [Product]      ☒ The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name

☒ -methylisothiazol-3(2H)-one

Result

Acute - EC50 - Fresh water

US EPA  
Daphnia - Water flea - *Daphnia magna*  
Age: <24 hours  
0.18 ppm [48 hours]  
Effect: Intoxication

Acute - LC50 - Fresh water

US EPA  
Fish - Rainbow trout,donaldson trout - *Oncorhynchus mykiss*  
Weight: 0.73 g  
0.07 ppm [96 hours]  
Effect: Mortality

Conclusion/Summary [Product]      Not available.

12.2 Persistence and degradability

Not available.

Conclusion/Summary [Product]      Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
<input checked="" type="checkbox"/> sodium dodecyl sulphate	-2.03	-	Low

12.4 Mobility in soil

Soil/water partition coefficient

Product/ingredient name

logK<sub>oc</sub>

K<sub>oc</sub>





2-methylisothiazol-3(2H)-one

1.7

54.9187

Results of PMT and vPvM assessment

Product/ingredient name	PMT	P	M	T	vPvM	vP	vM
mesna	No	N/A	N/A	No	N/A	N/A	N/A
2-methylisothiazol-3(2H)-one	No	N/A	Yes	No	N/A	N/A	Yes
Mobility	Not available.						
Conclusion/Summary	The product does not meet the criteria to be considered as a PMT or vPvM.						

12.5 Results of PBT and vPvB assessment

Regulation (EC) No. 1907/2006 [REACH]

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
mesna	No	N/A	N/A	No	N/A	N/A	N/A
2-methylisothiazol-3(2H)-one	No	N/A	N/A	No	N/A	N/A	N/A

Regulation (EC) No. 1272/2008 [CLP]

Product/ingredient name	PBT	P	B	T	vPvB	vP	vB
mesna	No	N/A	N/A	No	N/A	N/A	N/A
2-methylisothiazol-3(2H)-one	No	N/A	N/A	No	N/A	N/A	N/A

Conclusion/Summary The product does not meet the criteria to be considered as a PBT or vPvB.

Regulation (EC) No. 1272/2008 [CLP]

12.6 Endocrine disrupting properties

Not applicable.

Conclusion/Summary [Product] The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Product

Methods of disposal The generation of waste should be avoided or minimised 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.

Hazardous waste The classification of the product may meet the criteria for a hazardous waste.

Packaging

Methods of disposal The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-



14.5 Environmental hazards	No.	No.	No.	No.
Additional information	-	-	-	-

14.6 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.
14.7 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

EU Regulation (EC) No. 1907/2006 (REACH)  
Annex XIV - List of substances subject to authorisation

**Annex XIV**  
None of the components are listed.

**Substances of very high concern**  
None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Product/ingredient name	%	Designation [Usage]
Low-Range Rainbow Molecular Weight Markers, 250 µl	≥90	3

**Labelling** Not applicable.

Other EU regulations

**Industrial emissions (integrated pollution prevention and control) - Air** ☒ Listed

**Industrial emissions (integrated pollution prevention and control) - Water** Not listed

**Explosive precursors** ☒ Not applicable.

Ozone depleting substances (EU 2024/590)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

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

**United States** Not determined.



<b>Canada inventory</b>	Not determined.
<b>China</b>	Not determined.
<b>Japan</b>	<b>Japan inventory (CSCL):</b> Not determined. <b>Japan inventory (ISHL):</b> Not determined.
<b>15.2 Chemical safety assessment</b>	This product contains substances for which Chemical Safety Assessments are still required.



## SECTION 16: Other information

 Indicates information that has changed from previously issued version.

<b>Abbreviations and acronyms</b>	<p>ATE = Acute Toxicity Estimate          CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]          DMEL = Derived Minimal Effect Level          DNEL = Derived No Effect Level          EUH statement = CLP-specific Hazard statement          N/A = Not available          PBT = Persistent, Bioaccumulative and Toxic          PNEC = Predicted No Effect Concentration          RRN = REACH Registration Number          vPvB = Very Persistent and Very Bioaccumulative</p>
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### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Skin Irrit. 2, H315 Eye Irrit. 2, H319	Calculation method Calculation method

<b>Full text of abbreviated H statements</b>	<p> H228 Flammable solid.          H302 Harmful if swallowed.          H314 Causes severe skin burns and eye damage.          H315 Causes skin irritation.          H319 Causes serious eye irritation.          H400 Very toxic to aquatic life.          H412 Harmful to aquatic life with long lasting effects.</p>
<b>Full text of classifications [CLP/GHS]</b>	<p> Acute Tox. 4, H302 ACUTE TOXICITY (oral) - Category 4          Aquatic Acute 1, H400 SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1          Aquatic Chronic 3, H412 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3          Eye Irrit. 2, H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2          Flam. Sol. 2, H228 FLAMMABLE SOLIDS - Category 2          Skin Corr. 1B, H314 SKIN CORROSION/IRRITATION - Category 1B          Skin Irrit. 2, H315 SKIN CORROSION/IRRITATION - Category 2</p>
<b>Date of printing</b>	16 February 2026
<b>Date of issue/ Date of revision</b>	16 February 2026
<b>Date of previous issue</b>	08 February 2021
<b>Version</b>	8.01

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

