



Becton, Dickinson and
Company
BD, Franklin Lakes, NJ
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SAFETY DATA SHEET

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

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

1.1 Product identifier

Product No.:	Product name:	Common name(s), synonym(s)
558456	BD® Cytometric Bead Array (CBA) Human IFN- γ Standard	No data available

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

Identified uses: Scientific and industrial laboratory use. For research use only.

Uses advised against: Not for use in diagnostic or therapeutic procedures.

1.3 Details of the supplier of the safety data sheet

Manufacturer

Becton, Dickinson and Company, BD Biosciences
155 North McCarthy Boulevard
95035 Milpitas, California
USA

Telephone: 1 877 232 8995 or 1 800 424 9300
Fax: not available

Contact Person: Business Unit Product Stewardship Team
E-mail: BDB-PS-SDS-LABEL@bd.com

Supplier

Becton Dickinson
1030 Eskdale Road, Winnersh Triangle
RG41 5TS Wokingham, Berkshire
United Kingdom

Telephone: 01189216499

1.4 Emergency telephone number: CHEMREC 1 800 424 9300

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.



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Health Hazards

Skin sensitizer Category 1 H317: May cause an allergic skin reaction.

Environmental Hazards

Chronic hazards to the aquatic environment Category 3 H412: Harmful to aquatic life with long lasting effects.

2.2 Label Elements



Signal Word: Warning

Hazard Statement(s): H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.

Precautionary Statements

Prevention:

P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P272: Contaminated work clothing should not be allowed out of the workplace.
P273: Avoid release to the environment.
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P302+P352: IF ON SKIN: Wash with plenty of soap and water.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P362+P364: Take off contaminated clothing and wash it before reuse.

Disposal:

P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Hazardous ingredients which must be listed on the label:

CMIT/MIT mixture (3:1) - a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)

Supplemental information



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Restricted to professional users.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
D(+)Sucrose	50 - <100%	57-50-1		No data available.	No data available.	#
CMIT/MIT mixture (3:1) - a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)	0.0015 - <0.06%	55965-84-9		No data available.	Aquatic Toxicity (Acute): 100; Aquatic Toxicity (Chronic): 100	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

This substance has workplace exposure limit(s).

This substance is listed as SVHC.

Classification

Chemical name	Classification	Notes
D(+)Sucrose	Classification: None known. Supplemental label information: None known.	None.
CMIT/MIT mixture (3:1) - a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)	Classification: Skin Corr.: 1C: H314; Acute Tox.: 2: H330; Acute Tox.: 2: H310; Skin Sens.: 1A: H317; Acute Tox.: 3: H301; Eye Dam.: 1: H318; Aquatic Chronic: 1: H410; Aquatic Acute: 1: H400 Supplemental label information: EUH071;	Note B

The full text for all H-statements is displayed in section 16.



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SECTION 4: First aid measures

4.1 Description of first aid measures

General information:	Get medical attention if symptoms occur.
Inhalation:	Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Get medical attention if symptoms persist.
Skin Contact:	Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Get medical attention if symptoms occur. Wash contaminated clothing before reuse.
Eye contact:	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention promptly if symptoms occur after washing.
Ingestion:	If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Get medical attention immediately.
Personal Protection for First-aid Responders:	No data available.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:	Symptoms may be delayed.
Hazards:	May cause an allergic skin reaction.

4.3 Indication of immediate medical attention and special treatment needed

Treatment:	Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.
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SECTION 5: Firefighting measures

General Fire Hazards:	Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Use water to keep fire exposed containers cool and disperse vapors.
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5.1 Extinguishing media

Suitable extinguishing media:	Water spray, foam, dry powder or carbon dioxide. Use fire-extinguishing media appropriate for surrounding materials.
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Unsuitable extinguishing media:

Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture:

Fire or excessive heat may produce hazardous decomposition products.

5.3 Advice for firefighters

Special fire-fighting procedures:

No unusual fire or explosion hazards noted.

Special protective equipment for firefighters:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Contact local authorities in case of spillage to drain/aquatic environment.

6.1.1 For non-emergency personnel:

No data available.

6.1.2 For emergency responders:

No data available.

6.2 Environmental Precautions:

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up:

Stop leak if possible without any risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Collect for salvage or disposal. Prevent runoff from entering drains, sewers, or streams. Report spills as required to appropriate authorities. See Section 8 of the SDS for Personal Protective Equipment. For waste disposal, see section 13 of the SDS.

6.4 Reference to other sections:

No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures:

No data available.

Local/Total ventilation:

No data available.

Safe handling advice:

Wash promptly with soap and water if skin becomes



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contaminated. When using do not eat, drink or smoke. Read and follow manufacturer's recommendations. Use personal protective equipment as required.

Contact avoidance measures: No data available.

7.2 Conditions for safe storage, including any incompatibilities

Safe storage conditions: Store in tightly closed original container in a dry, cool and well-ventilated place.

Safe packaging materials: No data available.

7.3 Specific end use(s): Reserved for industrial and professional use. Read label before use.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Components	Type	Form of exposure	Exposure Limit Values	Source
D(+)-Sucrose	TWA		10 mg/m ³	EH40 WEL (2007)
	STEL 15 minutes		20 mg/m ³	EH40 WEL (01 2020)

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Biological Limit Values

No biological exposure limits noted for the ingredient(s).

DNEL-Values

Remarks: DNEL-Values

Critical component	Type	Route of Exposure	Health Warnings	Remarks
1,3-Propanediol, 2-amino-2-(hydroxymethyl)-, hydrochloride (1:1)	General population	Eyes	Local effect	No hazard identified
	Workers	Inhalation	Systemic, long-term 152.8 mg/m ³	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term 37.7 mg/m ³	Repeated dose toxicity
	Workers	Eyes	Local effect	No hazard identified
	General population	Dermal	Systemic, long-term 108.3 mg/kg	Repeated dose toxicity
	General population	Oral	Systemic, long-term 10.8 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term 216.6 mg/kg	Repeated dose toxicity



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CMIT/MIT mixture (3:1) - a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)	Workers	Eyes	Local effect	High hazard (no threshold derived)
	General population	Oral	Systemic, short-term 0.11 mg/kg	Repeated dose toxicity
	Workers	Inhalation	Local, long-term 0.02 mg/m ³	Repeated dose toxicity
	General population	Inhalation	Local, long-term 0.02 mg/m ³	Repeated dose toxicity
	General population	Eyes	Local effect	High hazard (no threshold derived)
	General population	Inhalation	Local, short-term 0.04 mg/m ³	Repeated dose toxicity
	General population	Oral	Systemic, long-term 0.09 mg/kg	Repeated dose toxicity
	Workers	Inhalation	Local, short-term 0.04 mg/m ³	Repeated dose toxicity
Sodium Chloride (NaCl)	General population	Inhalation	Systemic, long-term 443.28 mg/m ³	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term 2068.62 mg/m ³	Repeated dose toxicity
	Workers	Inhalation	Systemic, short-term 2068.62 mg/m ³	Repeated dose toxicity
	General population	Inhalation	Systemic, short-term 443.28 mg/m ³	Repeated dose toxicity
	General population	Oral	Systemic, long-term 126.65 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term 295.52 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, short-term 295.52 mg/kg	Repeated dose toxicity
	General population	Oral	Systemic, short-term 126.65 mg/kg	Repeated dose toxicity
	General population	Dermal	Systemic, short-term 126.65 mg/kg	Repeated dose toxicity
	General population	Dermal	Systemic, long-term 126.65 mg/kg	Repeated dose toxicity
Trometamol	Workers	Inhalation	Systemic, long-term 117.5 mg/m ³	Repeated dose toxicity
	General population	Dermal	Systemic, long-term 83.3 mg/kg	Repeated dose toxicity
	Workers	Dermal	Systemic, long-term 166.7 mg/kg	Repeated dose toxicity
	General population	Oral	Systemic, long-term 8.3 mg/kg	Repeated dose toxicity
Magnesium chloride (MgCl ₂)	General population	Oral	Systemic, long-term 7 mg/kg	
	General population	Eyes	Local effect	No hazard identified
	Workers	Eyes	Local effect	No hazard identified
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.	Workers	Eyes	Local effect	No hazard identified
	General population	Eyes	Local effect	No hazard identified

PNEC-Values

Remarks: PNEC-Values



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Critical component	Environmental compartment	PNEC-Values	Remarks
Nitric acid, magnesium salt (2:1)	Sewage treatment plant	18 mg/l	
CMIT/MIT mixture (3:1) - a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)	Sewage treatment plant	0.23 mg/l	
	Sediment (marine water)	0.027 mg/kg	
	Aquatic (freshwater)	3.39 µg/l	
	Aquatic (marine water)	3.39 µg/l	
	Soil	0.01 mg/kg	Soil
	Sediment (freshwater)	0.027 mg/kg	
Sodium Chloride (NaCl)	Aquatic (freshwater)	5 mg/l	
	Sewage treatment plant	500 mg/l	
	Soil	4.86 mg/kg	Soil
Trometamol	Sewage treatment plant	300 mg/l	
Magnesium chloride (MgCl ₂)	Sediment (marine water)	105 mg/kg	
	Sewage treatment plant	42 mg/l	
	Aquatic (freshwater)	1.6 mg/l	
	Aquatic (marine water)	0.16 mg/l	
	Soil	1045 mg/kg	Soil
	Sediment (freshwater)	1050 mg/kg	
Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.	Sediment (marine water)	1000 mg/kg	
	Sediment (freshwater)	1.141 mg/kg	
	Aquatic (freshwater)	0.2 mg/l	
	Aquatic (marine water)	0.02 mg/l	

8.2 Exposure controls

Appropriate Engineering Controls:

Adequate ventilation should be provided whenever the material is heated or mists are generated.

Individual protection measures, such as personal protective equipment

Eye/face protection:

Wear safety glasses with side shields (or goggles).

Hand Protection:

Material: Use suitable protective gloves if risk of skin contact.

Skin and Body Protection:

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Respiratory Protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.



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Hygiene measures: Do not eat, drink or smoke when using the product. Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Avoid contact with skin.

Environmental Controls: Data available upon request.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	solid
Form:	Powder
Color:	White
Odor:	Odorless
Odor Threshold:	No data available.
Melting Point:	No data available.
Boiling Point:	No data available.
Flammability:	No data available.
Upper/lower limit on flammability or explosive limits	

Explosive limit - upper: No data available.

Explosive limit - lower: No data available.

Flash Point: The physical-chemical properties of this material have not been fully investigated.

Auto-ignition temperature: No data available.

Decomposition Temperature: No data available.

pH: No data available.

Viscosity

Dynamic viscosity:	Not determined.
Kinematic viscosity:	No data available.

Solubility(ies)

Solubility in Water: Soluble

Partition coefficient (n-octanol/water): No data available.

Vapor pressure: No data available.

Relative density: No data available.



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Density:	No data available.
Vapor density (air=1):	No data available.
Particle characteristics	
Particle Size:	No data available.
Particle Size Distribution:	No data available.
Dustiness:	No data available.
Specific surface area:	No data available.
Surface charge/Zeta potential:	No data available.
Shape:	No data available.
Crystallinity:	No data available.
Surface treatment:	No data available.

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable
10.2 Chemical Stability:	No data available.
10.3 Possibility of hazardous reactions:	None under normal conditions.
10.4 Conditions to avoid:	Avoid exposure to high temperatures or direct sunlight.
10.5 Incompatible Materials:	Strong oxidizing agents.
10.6 Hazardous Decomposition Products:	By heating and fire, harmful vapors/gases may be formed.

SECTION 11: Toxicological information

General information: May cause allergic skin reaction based on human experience.

11.1 Information on toxicological effects

Inhalation:	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin Contact:	Prolonged or repeated contact may cause skin sensitization in susceptible individuals.
Eye contact:	Avoid contact with eyes.



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Ingestion: Ingestion may cause irritation and malaise.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Acute toxicity (list all possible routes of exposure)

Oral

Product: Not classified for acute toxicity based on available data.

Components:

D(+)-Sucrose LD 50, Rat, 29,700 mg/kg
CMIT/MIT mixture (3:1) - LD 50, Rat, 66 mg/kg, 1 = reliable without restrictions, Key study
a mixture of: 5-chloro-2- LD 50, Rat, 200 mg/kg, 1 = reliable without restrictions, Key study
methyl-4-isothiazolin-3-
one [EC No 247-500-7]
and 2-methyl-4-
isothiazolin-3-one [EC No
220-239-6] (3:1)

Dermal

Product: Not classified for acute toxicity based on available data.

Components:

D(+)-Sucrose No data available.
CMIT/MIT mixture (3:1) - No data available.
a mixture of: 5-chloro-2-
methyl-4-isothiazolin-3-
one [EC No 247-500-7]
and 2-methyl-4-
isothiazolin-3-one [EC No
220-239-6] (3:1)

Inhalation

Product: Not classified for acute toxicity based on available data.

Components:

D(+)-Sucrose No data available.
CMIT/MIT mixture (3:1) - No data available.
a mixture of: 5-chloro-2-
methyl-4-isothiazolin-3-
one [EC No 247-500-7]
and 2-methyl-4-
isothiazolin-3-one [EC No



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220-239-6] (3:1)

Repeated dose toxicity

Product: No data available.
Components:
D(+)-Sucrose No data available.
CMIT/MIT mixture (3:1) - No data available.
a mixture of: 5-chloro-2-
methyl-4-isothiazolin-3-
one [EC No 247-500-7]
and 2-methyl-4-
isothiazolin-3-one [EC No
220-239-6] (3:1)

Skin Corrosion/Irritation

Product: No data available.
Components:
D(+)-Sucrose No data available.
CMIT/MIT mixture (3:1) - Causes severe skin burns and eye damage.
a mixture of: 5-chloro-2-
methyl-4-isothiazolin-3-
one [EC No 247-500-7]
and 2-methyl-4-
isothiazolin-3-one [EC No
220-239-6] (3:1)

Serious Eye Damage/Eye Irritation

Product: No data available.
Components:
D(+)-Sucrose No data available.
CMIT/MIT mixture (3:1) - Causes serious eye damage.
a mixture of: 5-chloro-2-
methyl-4-isothiazolin-3-
one [EC No 247-500-7]
and 2-methyl-4-
isothiazolin-3-one [EC No
220-239-6] (3:1)

Respiratory or Skin Sensitization

Product: No data available.
Components:
D(+)-Sucrose No data available.



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CMIT/MIT mixture (3:1) -
a mixture of: 5-chloro-2-
methyl-4-isothiazolin-3-
one [EC No 247-500-7]
and 2-methyl-4-
isothiazolin-3-one [EC No
220-239-6] (3:1)

May cause an allergic skin reaction.

Carcinogenicity

Product: No data available.
Components:
D(+)-Sucrose No data available.
CMIT/MIT mixture (3:1) -
a mixture of: 5-chloro-2-
methyl-4-isothiazolin-3-
one [EC No 247-500-7]
and 2-methyl-4-
isothiazolin-3-one [EC No
220-239-6] (3:1)

Germ Cell Mutagenicity

In vitro

Product: No data available.
Components:
D(+)-Sucrose No data available.
CMIT/MIT mixture (3:1) -
a mixture of: 5-chloro-2-
methyl-4-isothiazolin-3-
one [EC No 247-500-7]
and 2-methyl-4-
isothiazolin-3-one [EC No
220-239-6] (3:1)

In vivo

Product: No data available.
Components:
D(+)-Sucrose No data available.
CMIT/MIT mixture (3:1) -
a mixture of: 5-chloro-2-
methyl-4-isothiazolin-3-
one [EC No 247-500-7]
and 2-methyl-4-
isothiazolin-3-one [EC No
220-239-6] (3:1)

Reproductive toxicity

Product: No data available.
Components:



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D(+)-Sucrose	No data available.
CMIT/MIT mixture (3:1) - a mixture of: 5-chloro-2- methyl-4-isothiazolin-3- one [EC No 247-500-7] and 2-methyl-4- isothiazolin-3-one [EC No 220-239-6] (3:1)	Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Single Exposure

Product:	No data available.
Components:	
D(+)-Sucrose	No data available.
CMIT/MIT mixture (3:1) - a mixture of: 5-chloro-2- methyl-4-isothiazolin-3- one [EC No 247-500-7] and 2-methyl-4- isothiazolin-3-one [EC No 220-239-6] (3:1)	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product:	No data available.
Components:	
D(+)-Sucrose	No data available.
CMIT/MIT mixture (3:1) - a mixture of: 5-chloro-2- methyl-4-isothiazolin-3- one [EC No 247-500-7] and 2-methyl-4- isothiazolin-3-one [EC No 220-239-61 (3:1)]	No data available.

Aspiration Hazard

Product:	No data available.
Components:	
D(+)-Sucrose	No data available.
CMIT/MIT mixture (3:1) - a mixture of: 5-chloro-2- methyl-4-isothiazolin-3- one [EC No 247-500-7] and 2-methyl-4- isothiazolin-3-one [EC No 220-239-6] (3:1)	No data available.



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11.2 Information on other hazards

Other information

Product: No data available.

SECTION 12: Ecological information

General information:

12.1 Toxicity:

Toxicity to Aquatic Plants

Product: No data available.

Components:

D(+)-Sucrose No data available.
CMIT/MIT mixture (3:1) - No data available.
a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)

Toxicity to microorganisms

Product: No data available.

Components:

D(+)-Sucrose No data available.
CMIT/MIT mixture (3:1) - No data available.
a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Components:

D(+)-Sucrose No data available.
CMIT/MIT mixture (3:1) - No data available.
a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC



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No 220-239-6] (3:1)

Aquatic Invertebrates

Product:	No data available.
Components:	
D(+)-Sucrose	No data available.
CMIT/MIT mixture (3:1) - a mixture of: 5-chloro-2- methyl-4-isothiazolin-3- one [EC No 247-500-7] and 2-methyl-4- isothiazolin-3-one [EC No 220-239-6] (3:1)	No data available.

Chronic hazards to the aquatic environment:

Fish

Product:	No data available.
Components:	
D(+)-Sucrose	No data available.
CMIT/MIT mixture (3:1) - a mixture of: 5-chloro-2- methyl-4-isothiazolin-3- one [EC No 247-500-7] and 2-methyl-4- isothiazolin-3-one [EC No 220-239-6] (3:1)	No data available.

Aquatic Invertebrates

Product:	No data available.
Components:	
D(+)-Sucrose	No data available.
CMIT/MIT mixture (3:1) - a mixture of: 5-chloro-2- methyl-4-isothiazolin-3- one [EC No 247-500-7] and 2-methyl-4- isothiazolin-3-one [EC No 220-239-6] (3:1)	No data available.

12.2 Persistence and Degradability

Biodegradation

Product:	No data available.
Components:	
D(+)-Sucrose	No data available.



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CMIT/MIT mixture (3:1) - Readily biodegradable
a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)

12.3 Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.
Components:
D(+)-Sucrose No data available.
CMIT/MIT mixture (3:1) - No data available.
a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)

Partition Coefficient n-octanol / water (log Kow)

Product: , No data available.
Components:
D(+)-Sucrose -3.70
CMIT/MIT mixture (3:1) - No data available.
a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)

12.4 Mobility in soil:

Product: No data available.
Components:
D(+)-Sucrose No data available.
CMIT/MIT mixture (3:1) - a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)

12.5 Results of PBT and vPvB assessment:

Product: No data available.



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Components:

D(+)-Sucrose	No data available.
CMIT/MIT mixture (3:1) - a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)	Not applicable

12.6 Other adverse effects:

Other hazards

Product:	No data available.
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SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Dispose of waste and residues in accordance with local authority requirements.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

Since emptied containers retain product residue, follow label warnings even after container is emptied.

Contaminated Packaging: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

SECTION 14: Transport information

ADR

14.1 UN number or ID number:	Not Regulated.
14.2 UN Proper Shipping Name:	Not Regulated.
14.3 Transport Hazard Class(es)	
Class:	Not Regulated.
Label(s):	Not Regulated.
Hazard No. (ADR):	Not Regulated.
Tunnel restriction code:	Not Regulated.
14.4 Packing Group:	Not Regulated.
Limited quantity	Not Regulated.
Excepted quantity	Not Regulated.



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14.5 Environmental Hazards Not Regulated.
14.6 Special precautions for user: Not Regulated.

RID

RID	
14.1 UN number or ID number:	Not Regulated.
14.2 UN Proper Shipping Name:	Not Regulated.
14.3 Transport Hazard Class(es)	
Class:	Not Regulated.
Label(s):	Not Regulated.
14.4 Packing Group:	Not Regulated.
Limited quantity	Not Regulated.
Excepted quantity	Not Regulated.
14.5 Environmental Hazards	Not Regulated.
14.6 Special precautions for user:	Not Regulated.

IMDG

14.1 UN number or ID number:	Not Regulated.
14.2 UN Proper Shipping Name:	Not Regulated.
14.3 Transport Hazard Class(es)	
Class:	Not Regulated.
Label(s):	Not Regulated.
EmS No.:	Not Regulated.
14.4 Packing Group:	Not Regulated.
Limited quantity	Not Regulated.
Excepted quantity	Not Regulated.
14.5 Environmental Hazards	Not Regulated.
14.6 Special precautions for user:	Not Regulated.

IATA

IAEA	
14.1 UN number or ID number:	Not Regulated.
14.2 UN Proper Shipping Name:	Not Regulated.
14.3 Transport Hazard Class(es)	
Class:	Not Regulated.
Label(s):	Not Regulated.
14.4 Packing Group:	Not Regulated.
Passenger and cargo aircraft :	Not Regulated.
Limited quantity	Not Regulated.
Excepted quantity	Not Regulated.
14.5 Environmental Hazards	Not Regulated.
14.6 Special precautions for user:	Not Regulated.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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



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UK. REACH, Annex XIV, Substances Subject to Authorization (Authorization List), as amended: None present or none present in regulated quantities.

UK. UK REACH Candidate List of substances of very high concern (SVHCs) for Authorisation: None present or none present in regulated quantities.

UK. POPs List. SI Persistent Organic Pollutants Regulations 3106/2007, amended by UK POPs (Amendment) (EU Exit) Regulations 2020 (No. 1358), as amended: None present or none present in regulated quantities.

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: None present or none present in regulated quantities.

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances:
None present or none present in regulated quantities.

UK EXP1: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK EXP2: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK EXP3: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK BAN: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use:

Chemical name	CAS-No.	Number on list
CMIT/MIT mixture (3:1) - a mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC No 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC No 220-239-6] (3:1)	55965-84-9	3

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:

International regulations

Montreal protocol
Not applicable

Stockholm convention
Not applicable



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Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

Date of first report version: 24.10.2018

Generation date: 14.03.2025

Version #: 1.1

Abbreviations and acronyms:

EH40 WEL: UK. EH40 Workplace Exposure Limits (WELs), as amended
EH40 WEL / STEL: Short Term Exposure Limit (STEL):
EH40 WEL / TWA: Time Weighted Average (TWA):

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; EIGA - European Industrial Gases Association; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI -



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Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Notes:

Note B	Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid...%'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
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Key literature references and sources for data: No data available.

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

Classification	Classification procedure
Skin sensitizer, Category 1	On basis of test data
Chronic hazards to the aquatic environment, Category 3	On basis of test data

Wording of the statements in section 2 and 3

H301	Toxic if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Training information: No data available.

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

Skin Sens. 1, H317
Aquatic Chronic 3, H412



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