

SAFETY DATA SHEET

Legal Entity / Contact Address

Bio-Rad Laboratories Ltd

The Junction

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 02-Mar-2022 Previous 03-Mar-2022 Revision Number 1

revision date

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

1.1. Product identifier

Product Name R5 - Positive Control Serum, 1.7 ml

Catalogue Number(s) 6179E

Pure substance/mixture Mixture

Contains 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone

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

Recommended use Restricted to professional users

In vitro diagnostic

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Corporate HeadquartersManufacturerBio-Rad Laboratories Inc.Bio-Rad

Bio-Rad Laboratories Inc. Bio-Rad
1000 Alfred Nobel Drive 3 boulevard Raymond Poincaré

Hercules, CA 94547 92430 Marnes-la-Coquette Station Road USA France Watford, WD17 1ET

e-mail: fds-msds.fr@bio-rad.com
For further information, please contact

Technical Service 00800 00246 723

Techsupport.UK@bio-rad.com

1.4. Emergency telephone number

24 Hour Emergency Phone Number CHEMTREC UK: 44-870-8200418

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin sensitization	Category 1A - (H317)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements

Contains 5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone



Hazard statements

H317 - May cause an allergic skin reaction

H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

P273 - Avoid release to the environment

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

P280 - Wear protective gloves/protective clothing/eye protection/face protection

2.3. Other hazards

Harmful to aquatic life.

Contains human source material and / or potentially infectious components

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical name	Weight-%	REACH registration number	EC No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
5-Chloro-2-methyl-3 (2H)-isothiazolone, mixture with 2-methyl-3(2H)-isoth iazolone 55965-84-9	0.01	No data available	-	Acute Tox. 3 (H301) Acute Tox. 3 (H311) Acute Tox. 3 (H331) Skin Corr. 1B (H314) Eye Dam. 1 (H318) Skin Sens. 1A (H317) (EUH071) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Eye Irrit. 2 :: 0.06%<=C<0.6 % Skin Corr. 1C :: C>=0.6% Skin Irrit. 2 :: 0.06%<=C<0.6 % Skin Sens. 1A :: C>=0.0015% Eye Dam. 1 :: C>=0.6%		100
Sodium o-(ethylmercurithio) benzoate 54-64-8	< 0.001	No data available	200-210-4	Acute Tox. 2 (H300) Acute Tox. 1 (H310) Acute Tox. 2 (H330) STOT RE 2 (H373) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	STOT RE 2 :: C>=0.1%	-	-
Hydrochloric acid 7647-01-0	< 0.001	No data available	231-595-7	Acute Tox. 3 (H301) Acute Tox. 4 (H312) Acute Tox. 3 (H331) Skin Corr. 1B (H314) Eye Irrit. 2 (H319) STOT SE 3 (H335)	Eye Irrit. 2 :: 1%<=C<3% Skin Corr. 1B :: C>=5% Skin Irrit. 2 :: 1%<=C<5% STOT SE 3 :: C>=10%	-	-

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapor - mg/L	Inhalation LC50 - 4 hour - gas - ppm
5-Chloro-2-methyl-3(2H)-i sothiazolone, mixture with 2-methyl-3(2H)-isothiazol one 55965-84-9		87.12	No data available	No data available	No data available
Sodium o-(ethylmercurithio)benzo ate 54-64-8		No data available	No data available	No data available	No data available
Hydrochloric acid 7647-01-0	238	5010	No data available	No data available	563.3022

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice Show this safety data sheet to the doctor in attendance.

Inhalation Remove to fresh air.

Eye contact Contains human source material and / or potentially infectious components. Call a

physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15

minutes.

Skin contact Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation

or allergic reactions see a physician.

Ingestion Contains human source material and / or potentially infectious components. Call a

physician.

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

Symptoms Itching. Rashes. Hives.

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

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically. Contains human

source material and / or potentially infectious components.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the

surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing mediaDo not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

chemical

Product is or contains a sensitizer. May cause sensitization by skin contact.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout

gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal

protective equipment as required. Evacuate personnel to safe areas. Keep people away

from and upwind of spill/leak.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Do not allow into any sewer, on the ground or into any body of water.

Methods for cleaning upUse: Disinfectant. Clean contaminated surface thoroughly.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take

off contaminated clothing and wash before reuse.

General hygiene considerations Follow universal and standard precautions for handling potentially infectious materials.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store according to

product and label instructions.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
5-Chloro-2-methyl-3(2H)-i	-	TWA: 0.05 mg/m ³	- Deigium	- Duigana	-
sothiazolone, mixture		Skin sensitizer			
with					
2-methyl-3(2H)-isothiazol					
one 55965-84-9					
Sodium	-	TWA: 0.01 mg/m ³	-	TWA: 0.01 mg/m ³	TWA: 0.01 mg/m ³
o-(ethylmercurithio)benzo		STEL 0.1 mg/m ³			
ate		H*			
54-64-8	T)4/4 5	T14/4 F	T)4/4 5	0.751 40	T) A / A . 5
Hydrochloric acid 7647-01-0	TWA: 5 ppm TWA: 8 mg/m ³	TWA: 5 ppm TWA: 8 mg/m ³	TWA: 5 ppm TWA: 8 mg/m ³	STEL: 10 ppm STEL: 15.0 mg/m ³	TWA: 5 ppm TWA: 8 mg/m ³
7047-01-0	STEL: 10 ppm	STEL 10 ppm	STEL: 10 ppm	TWA: 5 ppm	STEL: 10 ppm
	STEL: 15 mg/m ³	STEL 15 mg/m ³	STEL: 15 mg/m ³	TWA: 8.0 mg/m ³	STEL: 15 mg/m ³
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Sodium	-	-	TWA: 0.05 mg/m ³	-	-
o-(ethylmercurithio)benzo ate			H*		
54-64-8					
Hydrochloric acid	STEL: 10 ppm	TWA: 8 mg/m ³	Ceiling: 5 ppm	TWA: 5 ppm	STEL: 5 ppm
7647-01-0	STEL: 15 mg/m ³	Ceiling: 15 mg/m ³	Ceiling: 8 mg/m ³	TWA: 8 mg/m ³	STEL: 7.6 mg/m ³
	TWA: 5 ppm			STEL: 10 ppm	
Chemical name	TWA: 8 mg/m ³ France	Germany	Germany MAK	STEL: 15 mg/m ³ Greece	Hungary
Sodium	- I Tallice	- Germany	*	TWA: 0.01 mg/m ³	TWA: 0.01 mg/m ³
o-(ethylmercurithio)benzo			skin sensitizer	STEL: 0.03 mg/m ³	STEL: 0.04 mg/m ³
ate				skin - potential for	*
54-64-8				cutaneous	
Hydrochloric acid	STEL: 5 ppm	TWA: 2 ppm	TWA: 2 ppm	absorption TWA: 5 ppm	TWA: 8 mg/m ³
7647-01-0	STEL: 7.6 mg/m ³	TWA: 2 ppm TWA: 3 mg/m ³	TWA: 3.0 mg/m ³	TWA: 7 mg/m ³	STEL: 16 mg/m ³
			Peak: 4 ppm	STEL: 5 ppm	
			Peak: 6 mg/m ³	STEL: 7 mg/m ³	
Chemical name	Ireland	Italy	Italy REL	Latvia	Lithuania
Sodium o-(ethylmercurithio)benzo	-	-	-	-	TWA: 0.02 mg/m ³
ate					1 vv/ t. 0.02 mg/m
54-64-8					
Hydrochloric acid	TWA: 8 mg/m ³	TWA: 5 ppm	Ceiling: 2 ppm	TWA: 5 ppm	TWA: 5 ppm
7647-01-0	TWA: 5 ppm	TWA: 8 mg/m ³	Ceiling: 2.9 mg/m ³	TWA: 8 mg/m ³	TWA: 8 mg/m ³ STEL: 10 ppm
	STEL: 10 ppm STEL: 15 mg/m ³	STEL: 10 ppm STEL: 15 mg/m ³		STEL: 10 ppm STEL: 15 mg/m ³	STEL: 10 ppill STEL: 15 mg/m ³
Chemical name	Luxembourg	Malta	Netherlands	Norway	Poland
Sodium	-	-	-	TWA: 0.02 mg/m ³	-
o-(ethylmercurithio)benzo				STEL: 0.06 mg/m ³	
ate 54-64-8					
Hydrochloric acid	STEL: 10 ppm	STEL: 10 ppm	TWA: 8 mg/m ³	Ceiling: 5 ppm	STEL: 10 mg/m ³
7647-01-0	STEL: 15 mg/m ³	STEL: 15 mg/m ³	STEL: 15 mg/m ³	Ceiling: 7 mg/m ³	TWA: 5 mg/m ³
	TWA: 5 ppm	TWA: 5 ppm			
Ob	TWA: 8 mg/m ³	TWA: 8 mg/m ³	011	01	0
Chemical name Sodium	Portugal	Romania STEL: 0.01 mg/m ³	Slovakia TWA: 0.01 mg/m ³	Slovenia	Spain
o-(ethylmercurithio)benzo	-	*	*	_	-
ate			Sensitizer		
54-64-8					
Hydrochloric acid	TWA: 5 ppm	TWA: 5 ppm	TWA: 5 ppm	TWA: 5 ppm	TWA: 5 ppm
7647-01-0	TWA: 8 mg/m ³ STEL: 10 ppm	TWA: 8 mg/m ³ STEL: 10 ppm	TWA: 8.0 mg/m ³ Ceiling: 15 mg/m ³	TWA: 8 mg/m ³ STEL: 10 ppm	TWA: 7.6 mg/m³ STEL: 10 ppm
	STEL: 10 ppill STEL: 15 mg/m ³	STEL: 10 ppill STEL: 15 mg/m ³	Centrig. 15 mg/m²	STEL: 10 ppill STEL: 15 mg/m ³	STEL: 10 ppill STEL: 15 mg/m ³
	Ceiling: 2 ppm				

Revision date 02-Mar-2022	Revi	ision	date	02-1	Mar-2022
---------------------------	------	-------	------	------	----------

Chemical name	Sweden	Switzerland	United Kingdom
5-Chloro-2-methyl-3(2H)-isothia	-	TWA: 0.2 mg/m ³	-
zolone, mixture with			
2-methyl-3(2H)-isothiazolone			
55965-84-9			
Sodium	NGV: 0.01 mg/m ³	TWA: 0.01 mg/m ³	-
o-(ethylmercurithio)benzoate	*	H*	
54-64-8			
Hydrochloric acid	NGV: 2 ppm	TWA: 2 ppm	TWA: 1 ppm
7647-01-0	NGV: 3 mg/m ³	TWA: 3 mg/m ³	TWA: 2 mg/m ³
	Bindande KGV: 4 ppm	STEL: 4 ppm	STEL: 5 ppm
	Bindande KGV: 6 mg/m ³	STEL: 6 mg/m ³	STEL: 8 mg/m ³

Biological occupational exposure limits

Chemical name	European Union	Austria	Bulg	jaria	Croatia		Czech Republic
Sodium	-	-	100 μg/l	L - urine	10 μg/L - blo	od	-
o-(ethylmercurithio)benzo			(Mercury)	 not fixed 	(Mercury) - r	not	
ate					critical		
54-64-8							
Chemical name	Latvia	Luxembo	ourg	R	omania		Slovakia
Sodium	-	-		10 μg/L - l	plood (Mercury)		-
o-(ethylmercurithio)benzo				- en	d of shift		
ate					reatinine - urine		
54-64-8				(Mercury)	- beginning of		
				ne	ext shift		

Derived No Effect Level (DNEL)
Predicted No Effect Concentration
(PNEC)

No information available. No information available.

8.2. Exposure controls

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Follow universal and standard precautions for handling potentially infectious materials.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical stateLiquidAppearanceLiquidColouryellowOdourOdourless.

Odour threshold No information available

Property Values Remarks • Method

Melting point / freezing point No data available None known

R5 - Positive Control Serum, 1.7 ml

Revision date 02-Mar-2022

Boiling point / boiling range No data available None known Flammability (solid, gas) No data available None known Flammability Limit in Air None known

No data available Upper flammability or explosive

limits

Lower flammability or explosive No data available

limits

Flash point No data available None known Autoignition temperature No data available None known **Decomposition temperature** None known None known

pH (as aqueous solution) No data available No information available

Kinematic viscosity No data available None known Dynamic viscosity No data available None known Water solubility Immiscible in water

Solubility(ies) No data available None known Partition coefficient No data available None known Vapour pressure No data available None known No data available Relative density None known

Bulk density No data available Liquid Density No data available

Vapour density No data available None known

Particle characteristics

Particle Size No information available Particle Size Distribution No information available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Not applicable

9.2.2. Other safety characteristics

No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None. Sensitivity to static discharge

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

None known based on information supplied. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information

Inhalation Specific test data for the substance or mixture is not available.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact May cause sensitization by skin contact. Specific test data for the substance or mixture is

not available. Repeated or prolonged skin contact may cause allergic reactions with

susceptible persons. (based on components).

Ingestion Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives.

Acute toxicity

Numerical measures of toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
5-Chloro-2-methyl-3(2H)-isothia	= 53 mg/kg (Rat)	= 87.12 mg/kg (Rabbit)	-
zolone, mixture with			
2-methyl-3(2H)-isothiazolone			
Sodium	= 75 mg/kg (Rat)	-	-
o-(ethylmercurithio)benzoate			
Hydrochloric acid	238 - 277 mg/kg (Rat)	> 5010 mg/kg (Rabbit)	= 1.68 mg/L (Rat)1 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritationNo information available.

Serious eye damage/eye irritation No information available.

Respiratory or skin sensitization May cause sensitization by skin contact.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

R5 - Positive Control Serum, 1.7 ml

Revision date 02-Mar-2022

Aspiration hazard No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects.

Unknown aquatic toxicityContains 0 % of components with unknown hazards to the aquatic environment.

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment

_		
	Chemical name	PBT and vPvB assessment
Г	5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with	The substance is not PBT / vPvB
L	2-methyl-3(2H)-isothiazolone	
Г	Hydrochloric acid	The substance is not PBT / vPvB PBT assessment does
	·	not apply

12.6. Endocrine disrupting properties

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number
14.2 UN proper shipping name
14.3 Transport hazard class(es)
14.4 Packing group
14.5 Environmental hazards
Not regulated
Not regulated
Not applicable

14.6 Special Precautions for Users

Special Provisions None

IMDG

14.1 UN number or ID numberNot regulated14.2 UN proper shipping nameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot regulated14.5 Environmental hazardsNot applicable

14.6 Special Precautions for Users

Special Provisions None

14.7 Maritime transport in bulk No information available

according to IMO instruments

RID

14.1UN numberNot regulated14.2UN proper shipping nameNot regulated14.3Transport hazard class(es)Not regulated14.4Packing groupNot regulated14.5Environmental hazardsNot applicable

14.6 Special Precautions for Users

Special Provisions None

ADR

14.1 UN number or ID numberNot regulated14.2 UN proper shipping nameNot regulated14.3 Transport hazard class(es)Not regulated14.4 Packing groupNot regulated14.5 Environmental hazardsNot applicable

14.6 Special Precautions for Users

Special Provisions None

SECTION 15: Regulatory information

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

National regulations

Germany

Water hazard class (WGK) obviously hazardous to water (WGK 2)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH	Substance subject to authorization pe	
	Annex XVII	REACH Annex XIV	
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with	75.	-	
2-methyl-3(2H)-isothiazolone - 55965-84-9			

R5 - Positive Control Serum, 1.7 ml

Revision date 02-Mar-2022

75	Hydrophlaria agid 7647 01 0
75 l	Hydrochloric acid - 7647-01-0

Persistent Organic Pollutants

Not applicable

Named dangerous substances per Seveso Directive (2012/18/EU)

Chemical name	Lower-tier requirements (tons)	Upper-tier requirements (tons)
Hydrochloric acid - 7647-01-0	25	250

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

EU - Biocides

	LO DIODIGCO		
	Chemical name	EU - Biocides	
ſ	Hydrochloric acid - 7647-01-0	Product-type 2: Disinfectants and algaecides not intended	
1	·	for direct application to humans or animals	

EU - Water Framework Directive (2000/60/EC)

Chemical name	EU - Water Framework Directive (2000/60/EC)	
Sodium o-(ethylmercurithio)benzoate - 54-64-8	Priority hazardous substance	

EU - Environmental Quality Standards (2008/105/EC)

Chemical name		EU - Environmental Quality Standards (2008/105/EC)
Sodium o-(ethylmercurithio)benzoat	e - 54-64-8	Priority hazardous substance

International Inventories Contact supplier for inventory compliance status

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

EUH071 - Corrosive to the respiratory tract

H300 - Fatal if swallowed

H301 - Toxic if swallowed

H310 - Fatal in contact with skin

H311 - Toxic in contact with skin

H312 - Harmful in contact with skin

H314 - Causes severe skin burns and eye damage

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H319 - Causes serious eye irritation

H330 - Fatal if inhaled

H331 - Toxic if inhaled

H335 - May cause respiratory irritation

H373 - May cause damage to organs through prolonged or repeated exposure

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA (time-weighted average) STEL

STEL (Short Term Exposure Limit) Ceiling Maximum limit value

Skin designation

Method Used
Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)

European Chemicals Agency (ECHA) (ECHA_API)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications

Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme

Organisation for Economic Co-operation and Development Screening Information Data Set

World Health Organization

Revision Note Significant changes throughout SDS. Review all sections

Revision date 02-Mar-2022

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006 Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet