

# SAFETY DATA SHEET

**Legal Entity / Contact Address** 

Bio-Rad Laboratories Ltd

The Junction

Station Road Watford, WD17 1ET

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 R4 - Cut-off Control Serum, 1.7 ml

Catalogue Number(s) 6179C

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

<u>Corporate Headquarters</u> <u>Manufacturer</u>

Bio-Rad Laboratories Inc.

Bio-Rad

1000 Alfred Nobel Drive

Hercules, CA 94547

Bio-Rad

3 boulevard Raymond Poincaré

92430 Marnes-la-Coquette

USA France

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

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

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

# 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** 

No information available

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

15 minutes. Contains human source material and / or potentially infectious components.

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

components.

#### 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

surrounding environment.

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

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

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

Specific hazards arising from the Product is or contains a sensitizer. May cause sensitization by skin contact.

chemical

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 up**Clean contaminated surface thoroughly. Use:. Disinfectant.

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	Belaium	Bulgaria	Croatia

5-Chloro-2-methyl-3(2H)-i	-	TWA: 0.05 mg/m <sup>3</sup>	-	-	-
sothiazolone, mixture		Skin sensitizer			
with					
2-methyl-3(2H)-isothiazol					
one					
55965-84-9					
Sodium	-	TWA: 0.01 mg/m <sup>3</sup>	-	TWA: 0.01 mg/m	1 <sup>3</sup> TWA: 0.01 mg/m <sup>3</sup>
o-(ethylmercurithio)benzo		STEL 0.1 mg/m <sup>3</sup>		_	
ate		H*			
54-64-8					
Hydrochloric acid	TWA: 5 ppm	TWA: 5 ppm	TWA: 5 ppm	STEL: 10 ppm	
7647-01-0	TWA: 8 mg/m <sup>3</sup>	TWA: 8 mg/m <sup>3</sup>	TWA: 8 mg/m <sup>3</sup>	STEL: 15.0 mg/n	
	STEL: 10 ppm	STEL 10 ppm	STEL: 10 ppm	TWA: 5 ppm	STEL: 10 ppm
	STEL: 15 mg/m <sup>3</sup>	STEL 15 mg/m <sup>3</sup>	STEL: 15 mg/m <sup>3</sup>	TWA: 8.0 mg/m	
Chemical name	Cyprus	Czech Republic	Denmark	Estonia	Finland
Sodium	-	-	TWA: 0.05 mg/m <sup>3</sup>	-	-
o-(ethylmercurithio)benzo			H*		
ate					
54-64-8					
Hydrochloric acid	STEL: 10 ppm	TWA: 8 mg/m <sup>3</sup>	Ceiling: 5 ppm	TWA: 5 ppm	STEL: 5 ppm
7647-01-0	STEL: 15 mg/m <sup>3</sup>	Ceiling: 15 mg/m <sup>3</sup>	Ceiling: 8 mg/m <sup>3</sup>	TWA: 8 mg/m <sup>3</sup>	
	TWA: 5 ppm			STEL: 10 ppm	
Chamie I v - v -	TWA: 8 mg/m³	0.000	Commonwell MANA	STEL: 15 mg/m	
Chemical name	France	Germany	Germany MAK	Greece	Hungary
Sodium	-	-	-1	TWA: 0.01 mg/m	
o-(ethylmercurithio)benzo			skin sensitizer	STEL: 0.03 mg/n	
ate 54-64-8				skin - potential fo cutaneous	"
34-04-6					
Hydrochloric acid	STEL: 5 ppm	TWA: 2 ppm	TWA: 2 ppm	absorption TWA: 5 ppm	TWA: 8 mg/m <sup>3</sup>
7647-01-0	STEL: 5 ppill STEL: 7.6 mg/m <sup>3</sup>	TWA: 2 ppin TWA: 3 mg/m <sup>3</sup>	TWA: 3.0 mg/m <sup>3</sup>	TWA: 7 mg/m <sup>3</sup>	
7047-01-0	OTEL: 7:0 mg/m	I WA. 5 mg/m			OTEL: TO MIG/III
			Peak: 4 ppm	STEL: 5 ppm STEL: 7 mg/m <sup>3</sup>	
Chemical name	Ireland	Italy	Peak: 6 mg/m <sup>3</sup>	STEL: 7 mg/m <sup>3</sup>	
Chemical name	Ireland -	Italy -			Lithuania *
Sodium	-	Italy -	Peak: 6 mg/m <sup>3</sup>	STEL: 7 mg/m <sup>3</sup>	Lithuania *
	-	Italy -	Peak: 6 mg/m <sup>3</sup>	STEL: 7 mg/m <sup>3</sup>	
Sodium o-(ethylmercurithio)benzo	-	Italy -	Peak: 6 mg/m <sup>3</sup>	STEL: 7 mg/m <sup>3</sup>	Lithuania *
Sodium o-(ethylmercurithio)benzo ate 54-64-8	-	-	Peak: 6 mg/m³  Italy REL  -	STEL: 7 mg/m³ Latvia -	Lithuania * TWA: 0.02 mg/m³
Sodium o-(ethylmercurithio)benzo ate	-	TWA: 5 ppm	Peak: 6 mg/m³ Italy REL - Ceiling: 2 ppm	STEL: 7 mg/m³  Latvia  -  TWA: 5 ppm	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid	- TWA: 8 mg/m³	-	Peak: 6 mg/m³  Italy REL  -	STEL: 7 mg/m³ Latvia -	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid	- TWA: 8 mg/m³ TWA: 5 ppm	TWA: 5 ppm TWA: 8 mg/m <sup>3</sup>	Peak: 6 mg/m³ Italy REL - Ceiling: 2 ppm	STEL: 7 mg/m³  Latvia  -  TWA: 5 ppm TWA: 8 mg/m³	TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid	- TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm	Peak: 6 mg/m³ Italy REL - Ceiling: 2 ppm	STEL: 7 mg/m³  Latvia  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm	TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0	- TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³	Peak: 6 mg/m³  Italy REL  -  Ceiling: 2 ppm Ceiling: 2.9 mg/m³	STEL: 7 mg/m³  Latvia  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m	TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³	Peak: 6 mg/m³  Italy REL  -  Ceiling: 2 ppm Ceiling: 2.9 mg/m³	STEL: 7 mg/m³  Latvia  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m Norway	TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³	Peak: 6 mg/m³  Italy REL  -  Ceiling: 2 ppm Ceiling: 2.9 mg/m³	STEL: 7 mg/m³  Latvia  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m Norway TWA: 0.02 mg/m	TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Malta	Peak: 6 mg/m³  Italy REL  -  Ceiling: 2 ppm Ceiling: 2.9 mg/m³  Netherlands  -	STEL: 7 mg/m³ Latvia - TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m Norway TWA: 0.02 mg/n STEL: 0.06 mg/n	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland  - n³ -
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg - STEL: 10 ppm	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Malta - STEL: 10 ppm	Peak: 6 mg/m³  Italy REL  -  Ceiling: 2 ppm Ceiling: 2.9 mg/m³  Netherlands  -  TWA: 8 mg/m³	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m Norway TWA: 0.02 mg/n STEL: 0.06 mg/n	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland  3  STEL: 10 mg/m³
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg -  STEL: 10 ppm STEL: 15 mg/m³	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Malta -  STEL: 10 ppm STEL: 15 mg/m³	Peak: 6 mg/m³  Italy REL  -  Ceiling: 2 ppm Ceiling: 2.9 mg/m³  Netherlands  -	STEL: 7 mg/m³ Latvia - TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m Norway TWA: 0.02 mg/n STEL: 0.06 mg/n	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland  3  STEL: 10 mg/m³
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Malta -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm	Peak: 6 mg/m³  Italy REL  -  Ceiling: 2 ppm Ceiling: 2.9 mg/m³  Netherlands  -  TWA: 8 mg/m³	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m Norway TWA: 0.02 mg/n STEL: 0.06 mg/n	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland  3  STEL: 10 mg/m³
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Malta -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³	Peak: 6 mg/m³ Italy REL  - Ceiling: 2 ppm Ceiling: 2.9 mg/m³  Netherlands  - TWA: 8 mg/m³ STEL: 15 mg/m³	STEL: 7 mg/m³ Latvia  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m Norway TWA: 0.02 mg/m STEL: 0.06 mg/n Ceiling: 5 ppm Ceiling: 7 mg/m	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland  3 -  3 STEL: 10 mg/m³ TWA: 5 mg/m³
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Malta -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Romania	Peak: 6 mg/m³ Italy REL  - Ceiling: 2 ppm Ceiling: 2.9 mg/m³  Netherlands  - TWA: 8 mg/m³ STEL: 15 mg/m³	STEL: 7 mg/m³ Latvia  TWA: 5 ppm TWA: 8 mg/m³ STEL: 15 mg/m Norway TWA: 0.02 mg/m STEL: 0.06 mg/n  Ceilling: 5 ppm Ceilling: 7 mg/m	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland  3  STEL: 10 mg/m³
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Malta -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³	Peak: 6 mg/m³ Italy REL  - Ceiling: 2 ppm Ceiling: 2.9 mg/m³  Netherlands  - TWA: 8 mg/m³ STEL: 15 mg/m³	STEL: 7 mg/m³ Latvia  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m Norway TWA: 0.02 mg/m STEL: 0.06 mg/n Ceiling: 5 ppm Ceiling: 7 mg/m	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland  3 -  3 STEL: 10 mg/m³ TWA: 5 mg/m³
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Malta -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Romania	Peak: 6 mg/m³ Italy REL  - Ceiling: 2 ppm Ceiling: 2.9 mg/m³  Netherlands  - TWA: 8 mg/m³ STEL: 15 mg/m³  Slovakia TWA: 0.01 mg/m³ *	STEL: 7 mg/m³ Latvia  TWA: 5 ppm TWA: 8 mg/m³ STEL: 15 mg/m Norway TWA: 0.02 mg/m STEL: 0.06 mg/n  Ceilling: 5 ppm Ceilling: 7 mg/m	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland  3 -  3 STEL: 10 mg/m³ TWA: 5 mg/m³
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate ate	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Malta -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Romania	Peak: 6 mg/m³ Italy REL  - Ceiling: 2 ppm Ceiling: 2.9 mg/m³ Netherlands  - TWA: 8 mg/m³ STEL: 15 mg/m³	STEL: 7 mg/m³ Latvia  TWA: 5 ppm TWA: 8 mg/m³ STEL: 15 mg/m Norway TWA: 0.02 mg/m STEL: 0.06 mg/n  Ceilling: 5 ppm Ceilling: 7 mg/m	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland  3 -  3 STEL: 10 mg/m³ TWA: 5 mg/m³
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Portugal -	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Malta  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Romania STEL: 0.01 mg/m³ *	Peak: 6 mg/m³ Italy REL  - Ceiling: 2 ppm Ceiling: 2.9 mg/m³  Netherlands  - TWA: 8 mg/m³ STEL: 15 mg/m³ STEL: 15 mg/m³ Slovakia TWA: 0.01 mg/m³ * Sensitizer	STEL: 7 mg/m³ Latvia  -  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m Norway TWA: 0.02 mg/n STEL: 0.06 mg/n Ceiling: 5 ppm Ceiling: 7 mg/m	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland  3 STEL: 10 mg/m³ TWA: 5 mg/m³  STEL: 10 mg/m³ TWA: 5 mg/m³
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Portugal -  TWA: 5 ppm	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³  Malta  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Romania STEL: 0.01 mg/m³  TWA: 5 ppm	Peak: 6 mg/m³ Italy REL  - Ceiling: 2 ppm Ceiling: 2.9 mg/m³  Netherlands  - TWA: 8 mg/m³ STEL: 15 mg/m³ STEL: 15 mg/m³ Sovakia TWA: 0.01 mg/m³ Sensitizer  TWA: 5 ppm	STEL: 7 mg/m³ Latvia  TWA: 5 ppm TWA: 8 mg/m³ STEL: 15 mg/m Norway TWA: 0.02 mg/n STEL: 0.06 mg/n Ceiling: 5 ppm Ceiling: 7 mg/m  Slovenia  TWA: 5 ppm	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland  -  STEL: 10 mg/m³ TWA: 5 mg/m³  STEL: 10 mg/m³ TWA: 5 ppm
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Portugal  -  TWA: 5 ppm TWA: 8 mg/m³	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³  Malta  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Romania STEL: 0.01 mg/m³  *  TWA: 5 ppm TWA: 8 mg/m³	Peak: 6 mg/m³ Italy REL  - Ceiling: 2 ppm Ceiling: 2.9 mg/m³  Netherlands  - TWA: 8 mg/m³ STEL: 15 mg/m³  Slovakia TWA: 0.01 mg/m³ * Sensitizer  TWA: 5 ppm TWA: 8.0 mg/m³	STEL: 7 mg/m³ Latvia  -  TWA: 5 ppm TWA: 8 mg/m³ STEL: 15 mg/m Norway  TWA: 0.02 mg/n STEL: 0.06 mg/n  Ceiling: 5 ppm Ceiling: 7 mg/m  Slovenia  -  TWA: 5 ppm TWA: 8 mg/m³	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland  -  STEL: 10 mg/m³ TWA: 5 mg/m³  Spain  -  TWA: 5 ppm TWA: 7.6 mg/m³
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Portugal  -  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Malta  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Romania STEL: 0.01 mg/m³ *  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm	Peak: 6 mg/m³ Italy REL  - Ceiling: 2 ppm Ceiling: 2.9 mg/m³  Netherlands  - TWA: 8 mg/m³ STEL: 15 mg/m³ STEL: 15 mg/m³ Sovakia TWA: 0.01 mg/m³ Sensitizer  TWA: 5 ppm	STEL: 7 mg/m³ Latvia - TWA: 5 ppm TWA: 8 mg/m³ STEL: 15 mg/m Norway TWA: 0.02 mg/m STEL: 0.06 mg/n Ceiling: 5 ppm Ceiling: 7 mg/m  Slovenia - TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland  3 Poland  3 STEL: 10 mg/m³ TWA: 5 mg/m³  -  TWA: 5 ppm TWA: 7.6 mg/m³ STEL: 10 ppm
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Portugal  -  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 10 ppm STEL: 10 ppm	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³  Malta  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Romania STEL: 0.01 mg/m³  *  TWA: 5 ppm TWA: 8 mg/m³	Peak: 6 mg/m³ Italy REL  - Ceiling: 2 ppm Ceiling: 2.9 mg/m³  Netherlands  - TWA: 8 mg/m³ STEL: 15 mg/m³  Slovakia TWA: 0.01 mg/m³ * Sensitizer  TWA: 5 ppm TWA: 8.0 mg/m³	STEL: 7 mg/m³ Latvia  -  TWA: 5 ppm TWA: 8 mg/m³ STEL: 15 mg/m Norway  TWA: 0.02 mg/n STEL: 0.06 mg/n  Ceiling: 5 ppm Ceiling: 7 mg/m  Slovenia  -  TWA: 5 ppm TWA: 8 mg/m³	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland  3 Poland  3 STEL: 10 mg/m³ TWA: 5 mg/m³  -  TWA: 5 ppm TWA: 7.6 mg/m³ STEL: 10 ppm
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Portugal  -  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 10 ppm STEL: 10 ppm	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Malta  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Romania STEL: 0.01 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 10 ppm STEL: 10 ppm	Peak: 6 mg/m³ Italy REL  - Ceiling: 2 ppm Ceiling: 2.9 mg/m³ Netherlands  - TWA: 8 mg/m³ STEL: 15 mg/m³ SIovakia TWA: 0.01 mg/m³ * Sensitizer  TWA: 5 ppm TWA: 8.0 mg/m³ Ceiling: 15 mg/m³	STEL: 7 mg/m³ Latvia  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m Norway  TWA: 0.02 mg/m STEL: 0.06 mg/m  Ceilling: 5 ppm Ceilling: 7 mg/m  Slovenia  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 10 ppm STEL: 15 mg/m	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³  Poland  3 STEL: 10 mg/m³ TWA: 5 mg/m³  Spain  -  TWA: 5 ppm TWA: 7.6 mg/m³ STEL: 10 ppm STEL: 15 mg/m³
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Chemical name	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Portugal  -  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 ppm STEL: 15 ppm STEL: 15 ppm STEL: 15 ppm	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Malta  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Romania STEL: 0.01 mg/m³ *  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 10 ppm STEL: 10 ppm	Peak: 6 mg/m³ Italy REL  - Ceiling: 2 ppm Ceiling: 2.9 mg/m³ Netherlands  - TWA: 8 mg/m³ STEL: 15 mg/m³ SIovakia TWA: 0.01 mg/m³ * Sensitizer  TWA: 5 ppm TWA: 8.0 mg/m³ Ceiling: 15 mg/m³	STEL: 7 mg/m³ Latvia  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m Norway  TWA: 0.02 mg/m STEL: 0.06 mg/m  Ceilling: 5 ppm Ceilling: 7 mg/m  Slovenia  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Poland  3 Poland  3 STEL: 10 mg/m³ TWA: 5 mg/m³  -  TWA: 5 ppm TWA: 7.6 mg/m³ STEL: 10 ppm
Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0  Chemical name Sodium o-(ethylmercurithio)benzo ate 54-64-8 Hydrochloric acid 7647-01-0	TWA: 8 mg/m³ TWA: 5 ppm STEL: 10 ppm STEL: 15 mg/m³ Luxembourg  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Portugal  -  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 ppm STEL: 15 ppm STEL: 15 ppm STEL: 15 ppm	TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³ Malta  -  STEL: 10 ppm STEL: 15 mg/m³ TWA: 5 ppm TWA: 8 mg/m³ Romania STEL: 0.01 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 10 ppm STEL: 10 ppm	Peak: 6 mg/m³ Italy REL  - Ceiling: 2 ppm Ceiling: 2.9 mg/m³ Netherlands  - TWA: 8 mg/m³ STEL: 15 mg/m³ SIovakia TWA: 0.01 mg/m³ * Sensitizer  TWA: 5 ppm TWA: 8.0 mg/m³ Ceiling: 15 mg/m³	STEL: 7 mg/m³ Latvia  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m Norway  TWA: 0.02 mg/m STEL: 0.06 mg/m  Ceilling: 5 ppm Ceilling: 7 mg/m  Slovenia  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m	Lithuania  * TWA: 0.02 mg/m³  TWA: 5 ppm TWA: 8 mg/m³ STEL: 10 ppm STEL: 15 mg/m³  Poland  3 STEL: 10 mg/m³ TWA: 5 mg/m³  Spain  -  TWA: 5 ppm TWA: 7.6 mg/m³ STEL: 10 ppm STEL: 15 mg/m³

## R4 - Cut-off Control Serum, 1.7 ml

Revis	sion	date	02-1	/lar-2022
nevi	SIUII	uate	UZ-IV	/Iai-2022

2-methyl-3(2H)-isothiazolone 55965-84-9			
Sodium o-(ethylmercurithio)benzoate	NGV: 0.01 mg/m <sup>3</sup>	TWA: 0.01 mg/m <sup>3</sup> H*	-
54-64-8		11	
Hydrochloric acid	NGV: 2 ppm	TWA: 2 ppm	TWA: 1 ppm
7647-01-0	NGV: 3 mg/m <sup>3</sup>	TWA: 3 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup>
	Bindande KGV: 4 ppm	STEL: 4 ppm	STEL: 5 ppm
	Bindande KGV: 6 mg/m <sup>3</sup>	STEL: 6 mg/m <sup>3</sup>	STEL: 8 mg/m <sup>3</sup>

## Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Chemical name	European Union	Austria	Bulg	garia	Croatia		Czech Republic
Sodium	-	-		L - urine	10 μg/L - blo		-
o-(ethylmercurithio)benzo			(Mercury)	<ul> <li>not fixed</li> </ul>		not	
ate					critical		
54-64-8							
Chemical name	Latvia	Luxembo	ourg	R	omania		Slovakia
Sodium	-	-		10 μg/L - I	olood (Mercury)		-
o-(ethylmercurithio)benzo				- er	d of shift		
ate				30 μg/g C	reatinine - urine		
54-64-8				(Mercury)	- beginning of		
1				l 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 pointNo data availableNone knownBoiling point / boiling rangeNo data availableNone knownFlammability (solid, gas)No data availableNone known

Flammability Limit in Air None known

Upper flammability or explosive No data available

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 Miscible in water Solubility(ies) No data available

None known Partition coefficient No data available None known No data available Vapour pressure None known Relative density No data available None known

**Bulk density** No data available No data available **Liquid Density** Vapour density No data available

None known

Particle characteristics

**Particle Size** No information available No information available Particle Size Distribution

#### 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

None known based on information supplied. Conditions to avoid

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/irritation** No 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.

**Aspiration hazard** No information available.

R4 - Cut-off Control Serum, 1.7 ml

Revision date 02-Mar-2022

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 toxicity**Contains 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
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with	The substance is not PBT / vPvB
2-methyl-3(2H)-isothiazolone	
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 Not regulated Not regulated 14.2 UN proper shipping name 14.3 Transport hazard class(es) Not regulated 14.4 Packing group Not regulated 14.5 Environmental hazards Not applicable

14.6 Special Precautions for Users

**Special Provisions** None

#### IMDG

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

14.6 Special Precautions for Users

**Special Provisions** None

No information available 14.7 Maritime transport in bulk

according to IMO instruments

#### RID

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

14.6 Special Precautions for Users

Special Provisions None

#### ADR

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

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 does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH	Substance subject to authorization per
	Annex XVII	REACH Annex XIV
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with	75.	-
2-methyl-3(2H)-isothiazolone - 55965-84-9		
Hydrochloric acid - 7647-01-0	75.	-

#### **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

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

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

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

<u>International Inventories</u> 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

#### Legend

SVHC: Substances of Very High Concern for Authorisation:

# Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value \* Skin designation

Classification procedure		
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used	
Acute oral toxicity	Calculation method	
Acute dermal toxicity	Calculation method	
Acute inhalation toxicity - gas	Calculation method	
Acute inhalation toxicity - Vapour	Calculation method	
Acute inhalation toxicity - dust/mist	Calculation method	

Revision date 02-Mar-	-2022	
-----------------------	-------	--

	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	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**