



# SAFETY DATA SHEET

According to WHS Regulations

Revision date 11-Jun-2021

Revision Number 1

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

### Product identifier

**Product Name** Lyphocheck Urine Metals Control, Level 2

**Catalogue Number(s)** 405

### Other means of identification

**Pure substance/mixture** Mixture

### Recommended use of the chemical and restrictions on use

**Recommended use** In vitro diagnostic

**Uses advised against** No information available

### Details of manufacturer or importer

#### Corporate Headquarters

Bio-Rad Laboratories Inc.  
1000 Alfred Nobel Drive  
Hercules, CA 94547  
USA

#### Manufacturer

Bio-Rad Laboratories Inc.  
9500 Jeronimo Road  
Irvine, California 92618  
USA

#### Legal Entity / Contact Address

Bio-Rad Laboratories Pty Ltd  
Level 5  
446 Victoria Road,  
Gladesville NSW 2111  
Australia

For further information, please contact

**Technical Service** +61 2 9914 2800 or 1800 224 354  
sales.australia@bio-rad.com

### Emergency telephone number

**24 Hour Emergency Phone Number** CHEMTREC Australia: 61-290372994

**Emergency telephone number** No information available

## SECTION 2: Hazards identification

### GHS Classification

<b>Skin corrosion/irritation</b>	Category 2 - (H315)
<b>Serious eye damage/eye irritation</b>	Category 1 - (H318)
<b>Germ cell mutagenicity</b>	Category 2 - (H341)

### Label elements

Health hazard  
Corrosion

**Signal word**

Danger

**Hazard statements**

H315 - Causes skin irritation

H318 - Causes serious eye damage

H341 - Suspected of causing genetic defects

**Precautionary Statements - Prevention**

Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling

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

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor/physician

IF ON SKIN: Wash with plenty of soap and water

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash it before reuse

**Precautionary Statements - Disposal**

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

**Other hazards which do not result in classification**

May be harmful if swallowed Toxic to aquatic life with long lasting effects Toxic to aquatic life Contains components derived from human urine

**SECTION 3: Composition/information on ingredients****Substance**

Not applicable

**Mixture**

Chemical name	CAS No	Weight-%
Trichloroacetic acid	76-03-9	2.5 - 5
Phenol	108-95-2	1 - 2.5
Sodium fluoride	7681-49-4	0.3 - 0.999
Thallium(I) acetate	563-68-8	0.001 - 0.01
Mercury chloride (HgCl <sub>2</sub> )	7487-94-7	0.001 - 0.01
Lead chloride (PbCl <sub>2</sub> )	7758-95-4	0.001 - 0.01
Copper(2+) chloride dihydrate	10125-13-0	0.001 - 0.01
Pentachlorophenol	87-86-5	< 0.001
Cadmium chloride	10108-64-2	< 0.001
Antimonate(2-), bis[.mu.-(2,3-dihydroxybutanedioato(4-)-O1,O2:O3,O4)]di-, dipotassium, trihydrate, stereoisomer	28300-74-5	< 0.001
Non-hazardous ingredients	Proprietary	Balance

**SECTION 4: First aid measures**

**Description of first aid measures**

<b>General advice</b>	Immediate medical attention is required. Show this safety data sheet to the doctor in attendance. Contains components derived from human urine.
<b>Emergency telephone number</b>	Poisons Information Centre, Australia: 13 11 26 Poisons Information Centre, New Zealand: 0800 764 766
<b>Inhalation</b>	Remove to fresh air. Get medical attention immediately if symptoms occur.
<b>Eye contact</b>	Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.
<b>Skin contact</b>	Wash off immediately with soap and plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.
<b>Self-protection of the first aider</b>	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

**Most important symptoms and effects, both acute and delayed**

<b>Symptoms</b>	Burning sensation.
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**Indication of any immediate medical attention and special treatment needed**

<b>Note to doctors</b>	Contains human source material and / or potentially infectious components.
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**SECTION 5: Firefighting measures****Suitable Extinguishing Media**

<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
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<b>Unsuitable extinguishing media</b>	No information available.
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**Specific hazards arising from the chemical**

<b>Specific hazards arising from the chemical</b>	None known.
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**Special protective actions for fire-fighters**

<b>Special protective equipment for fire-fighters</b>	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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**SECTION 6: Accidental release measures****Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation.
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<b>Other information</b>	Refer to protective measures listed in Sections 7 and 8.
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**For emergency responders** Use personal protection recommended in Section 8.

### **Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

### **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.

### **Precautions to prevent secondary hazards**

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

## **SECTION 7: Handling and storage**

### **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. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes. Take off contaminated clothing and wash it before reuse.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Follow universal and standard precautions for handling potentially infectious materials.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Store according to product and label instructions.

**Incompatible materials** Strong acids. Strong bases. Strong oxidising agents.

## **SECTION 8: Exposure controls/personal protection**

### **Control parameters**

#### **Exposure Limits**

Chemical name	Australia	ACGIH TLV
Trichloroacetic acid 76-03-9	1 ppm 6.7 mg/m <sup>3</sup>	TWA: 0.5 ppm
Phenol 108-95-2	1 ppm 4 mg/m <sup>3</sup>	TWA: 5 ppm S*
Sodium fluoride 7681-49-4	2.5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup> F
Thallium(I) acetate 563-68-8	0.1 mg/m <sup>3</sup>	TWA: 0.02 mg/m <sup>3</sup> TI inhalable particulate matter S*
Mercury chloride (HgCl <sub>2</sub> ) 7487-94-7	0.003 ppm 0.025 mg/m <sup>3</sup>	TWA: 0.025 mg/m <sup>3</sup> Hg S*
Lead chloride (PbCl <sub>2</sub> ) 7758-95-4	0.05 mg/m <sup>3</sup>	TWA: 0.05 mg/m <sup>3</sup> Pb
Copper(2+) chloride dihydrate 10125-13-0		TWA: 1 mg/m <sup>3</sup> Cu dust and mist
Pentachlorophenol	0.5 mg/m <sup>3</sup>	STEL: 1 mg/m <sup>3</sup> inhalable fraction and

87-86-5		vapor TWA: 0.5 mg/m <sup>3</sup> inhalable fraction and vapor S*
Cadmium chloride 10108-64-2	0.01 mg/m <sup>3</sup>	TWA: 0.01 mg/m <sup>3</sup> Cd TWA: 0.002 mg/m <sup>3</sup> Cd respirable particulate matter
Antimonate(2-), bis[.mu.-(2,3-dihydroxybutanedioato(4-)-O1,O2:O3, O4)]di-, dipotassium, trihydrate, stereoisomer 28300-74-5	0.5 mg/m <sup>3</sup>	TWA: 0.5 mg/m <sup>3</sup> Sb

**Biological occupational exposure limits**

Chemical name	Australia	ACGIH
Phenol 108-95-2	-	250 mg/g creatinine - urine (Phenol with hydrolysis) - end of shift
Sodium fluoride 7681-49-4	-	2 mg/L - urine (Fluoride) - prior to shift 3 mg/L - urine (Fluoride) - end of shift
Mercury chloride (HgCl <sub>2</sub> ) 7487-94-7	-	35 µg/g creatinine - urine (Total inorganic mercury) - prior to shift 15 µg/L - blood (Total inorganic mercury) - end of shift at end of workweek
Lead chloride (PbCl <sub>2</sub> ) 7758-95-4	-	200 µg/L - blood (Lead) - not critical
Pentachlorophenol 87-86-5	-	- urine (Pentachlorophenol with hydrolysis) - prior to last shift of workweek
Cadmium chloride 10108-64-2	-	5 µg/g creatinine - urine (Cadmium) - not critical 5 µg/L - blood (Cadmium) - not critical

**Appropriate engineering controls**

<b>Engineering controls</b>	Showers Eyewash stations Ventilation systems.
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**Individual protection measures, such as personal protective equipment**

<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles).
<b>Skin and body protection</b>	Wear suitable protective clothing.
<b>Hand protection</b>	Wear suitable gloves. Impervious gloves.
<b>Respiratory protection</b>	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
<b>Environmental exposure controls</b>	No information available.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties**

<b>Physical state</b>	Solid
<b>Appearance</b>	powder or cake, lyophilised
<b>Colour</b>	yellow

Odour	Slight.	
Odour threshold	No information available	
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
pH	4.9-5.1	
Melting point / freezing point	No data available	None known
Boiling point / boiling range	No data available	None known
Flash point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air	No data available	None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour pressure	No data available	None known
Vapour density	No data available	None known
Relative density	No data available	None known
Water solubility	Soluble in water	
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	Not applicable	
Oxidising properties	Not applicable	
<b><u>Other information</u></b>		
Molecular weight	Not applicable	
VOC Content (%)	Not applicable	

## SECTION 10: Stability and reactivity

### Reactivity

Reactivity No information available.

### Chemical stability

Stability Stable under normal conditions.

### Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

### Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

### Conditions to avoid

Conditions to avoid None known based on information supplied.

### Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidising agents.

### Hazardous decomposition products

**Hazardous decomposition products** None known based on information supplied.

## SECTION 11: Toxicological information

### Acute toxicity

#### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Specific test data for the substance or mixture is not available. May cause irritation of respiratory tract.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available. Causes serious eye damage. May cause irreversible damage to eyes. (based on components).
<b>Skin contact</b>	Specific test data for the substance or mixture is not available. Causes skin irritation. (based on components).
<b>Ingestion</b>	Specific test data for the substance or mixture is not available. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. May be harmful if swallowed.

**Symptoms** Redness. Burning. May cause blindness. May cause redness and tearing of the eyes.

#### Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (oral)</b>	2,453.90 mg/kg
<b>ATEmix (dermal)</b>	8,669.70 mg/kg
<b>ATEmix (inhalation-dust/mist)</b>	13.40 mg/l

#### Product Information

#### Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Trichloroacetic acid	= 3320 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	-
Phenol	= 340 mg/kg ( Rat ) = 317 mg/kg ( Rat )	= 630 mg/kg ( Rabbit )	= 316 mg/m <sup>3</sup> ( Rat ) 4 h
Sodium fluoride	= 52 mg/kg ( Rat )	= 175 mg/kg ( Rat )	-
Thallium(I) acetate	= 41.3 mg/kg ( Rat )	-	-
Mercury chloride (HgCl <sub>2</sub> )	= 1 mg/kg ( Rat )	= 41 mg/kg ( Rabbit ) = 41 mg/kg ( Rat )	-
Lead chloride (PbCl <sub>2</sub> )	> 1947 mg/kg ( Rat )	-	-
Pentachlorophenol	= 27 mg/kg ( Rat )	= 40 mg/kg ( Rabbit ) = 26 mg/kg ( Rat )	-
Cadmium chloride	= 88 mg/kg ( Rat )	-	-
Antimonate(2-), bis[.mu.-(2,3-dihydroxybutanedioate(4-)-O1,O2:O3,O4)]di-, dipotassium, trihydrate, stereoisomer	= 115 mg/kg ( Rat )	-	-

See section 16 for terms and abbreviations

**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Skin corrosion/irritation** Classification based on data available for ingredients. Irritating to skin.

Product Information

**Serious eye damage/eye irritation** Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.

Product Information

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

Product Information

**Germ cell mutagenicity** Contains a known or suspected mutagen. Classification based on data available for ingredients. Suspected of causing genetic defects.

Product Information

**Carcinogenicity**

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	Australia
Lead chloride (PbCl <sub>2</sub> ) - 7758-95-4	Carc. 2
Pentachlorophenol - 87-86-5	Carc. 2
Cadmium chloride - 10108-64-2	Carc. 1B
Product Information	

**Reproductive toxicity** Based on available data, the classification criteria are not met.

Product Information

**STOT - single exposure** Based on available data, the classification criteria are not met.

Product Information

**STOT - repeated exposure** Based on available data, the classification criteria are not met.**Product Information****Aspiration hazard** Based on available data, the classification criteria are not met.**SECTION 12: Ecological information****Ecotoxicity****Ecotoxicity** Toxic to aquatic life. Toxic to aquatic life with long lasting effects.**Unknown aquatic toxicity** 0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Phenol	EC50: 0.0188 - 0.1044mg/L (96h, Pseudokirchneriella subcapitata) EC50: 187 - 279mg/L (72h, Desmodesmus subspicatus) EC50: =46.42mg/L (96h, Pseudokirchneriella subcapitata)	LC50: 11.9 - 25.3mg/L (96h, Lepomis macrochirus) LC50: 11.9 - 50.5mg/L (96h, Pimephales promelas) LC50: 20.5 - 25.6mg/L (96h, Pimephales promelas) LC50: 23.4 - 36.6mg/L (96h, Oryzias latipes) LC50: 33.9 - 43.3mg/L	-	EC50: 10.2 - 15.5mg/L (48h, Daphnia magna) EC50: 4.24 - 10.7mg/L (48h, Daphnia magna)



		(96h, <i>Oryzias latipes</i> ) LC50: 34.09 - 47.64mg/L (96h, <i>Poecilia reticulata</i> ) LC50: 4.23 - 7.49mg/L (96h, <i>Oncorhynchus mykiss</i> ) LC50: 5.0 - 12.0mg/L (96h, <i>Oncorhynchus mykiss</i> ) LC50: 5.449 - 6.789mg/L (96h, <i>Oncorhynchus mykiss</i> ) LC50: 7.5 - 14mg/L (96h, <i>Oncorhynchus mykiss</i> ) LC50: =0.00175mg/L (96h, <i>Cyprinus carpio</i> ) LC50: =11.5mg/L (96h, <i>Lepomis macrochirus</i> ) LC50: =13.5mg/L (96h, <i>Lepomis macrochirus</i> ) LC50: =27.8mg/L (96h, <i>Brachydanio rerio</i> ) LC50: =31mg/L (96h, <i>Poecilia reticulata</i> ) LC50: =32mg/L (96h, <i>Pimephales promelas</i> )		
Sodium fluoride	EC50: =272mg/L (96h, <i>Pseudokirchneriella subcapitata</i> ) EC50: =850mg/L (72h, <i>Desmodesmus subspicatus</i> )	LC50: 38 - 68mg/L (96h, <i>Oncorhynchus mykiss</i> ) LC50: =180mg/L (96h, <i>Pimephales promelas</i> ) LC50: =830mg/L (96h, <i>Lepomis macrochirus</i> ) LC50: >530mg/L (96h, <i>Lepomis macrochirus</i> )	-	EC50: =338mg/L (48h, <i>Daphnia magna</i> ) EC50: =98mg/L (48h, <i>Daphnia magna</i> )
Mercury chloride (HgCl <sub>2</sub> )	-	LC50: 0.014 - 0.019mg/L (96h, <i>Oncorhynchus mykiss</i> ) LC50: 0.02 - 0.26mg/L (96h, <i>Cyprinus carpio</i> ) LC50: 0.096 - 0.133mg/L (96h, <i>Lepomis macrochirus</i> ) LC50: 0.1 - 0.182mg/L (96h, <i>Pimephales promelas</i> ) LC50: 0.13 - 0.19mg/L (96h, <i>Oncorhynchus mykiss</i> ) LC50: 5.933 - 10.34mg/L (96h, <i>Poecilia reticulata</i> ) LC50: =0.041mg/L (96h, <i>Poecilia reticulata</i> ) LC50: =0.155mg/L (96h, <i>Pimephales promelas</i> ) LC50: =0.4mg/L (96h, <i>Lepomis macrochirus</i> ) LC50: =4.425mg/L (96h, <i>Cyprinus carpio</i> )	-	EC50: =0.0015mg/L (48h, <i>Daphnia magna</i> ) EC50: >0.012mg/L (48h, <i>Daphnia magna</i> )
Pentachlorophenol	EC50: 0.005 - 0.3mg/L (96h, <i>Pseudokirchneriella subcapitata</i> ) EC50: =0.1mg/L (72h, <i>Desmodesmus subspicatus</i> )	LC50: 0.031 - 0.038mg/L (96h, <i>Oncorhynchus mykiss</i> ) LC50: 0.079 - 0.187mg/L (96h, <i>Pimephales promelas</i> )	-	EC50: 0.138 - 0.307mg/L (48h, <i>Daphnia magna</i> )

	Pseudokirchneriella subcapitata) EC50: =0.183mg/L (72h, Desmodesmus subspicatus)	(96h, Pimephales promelas) LC50: 0.102 - 0.128mg/L (96h, Oncorhynchus mykiss) LC50: 0.103 - 0.129mg/L (96h, Lepomis macrochirus) LC50: 0.11 - 0.49mg/L (96h, Pimephales promelas) LC50: 0.170 - 0.3mg/L (96h, Oryzias latipes) LC50: =0.36mg/L (96h, Poecilia reticulata)		
Cadmium chloride	EC50: =3.7mg/L (96h, Chlorella vulgaris)	LC50: =0.0409mg/L (96h, Pimephales promelas)	-	EC50: 0.012 - 0.054mg/L (48h, Daphnia magna)
Product Information				

**Persistence and degradability**

**Persistence and degradability** No information available.

**Bioaccumulative potential**

**Bioaccumulation** There is no data for this product.

**Component Information**

Chemical name	Partition coefficient
Phenol	1.5
Pentachlorophenol	5.01

**Mobility**

**Mobility in soil** No information available.

**Mobility** No information available.

**Other adverse effects**

**Other adverse effects** No information available.

**Endocrine Disruptor Information**

Chemical name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Endocrine disrupting potential
Pentachlorophenol	Group III Chemical	-	-

**SECTION 13: Disposal considerations****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**

**ADG** Not regulated

**IATA**  
**UN number or ID number** Not regulated  
**Packing group** 1759  
 III

**IMDG** Not regulated

**Transport in bulk according to Annex II of MARPOL and the IBC Code**  
 No information available

## SECTION 15: Regulatory information

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

#### National regulations

##### Australia

See section 8 for national exposure control parameters

#### Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

Classified as a scheduled poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)

**Poison Schedule Number** 7

#### National pollutant inventory

Subject to reporting requirement

Chemical name	National pollutant inventory
Phenol - 108-95-2	10 tonne/yr Threshold category 1
Sodium fluoride - 7681-49-4	10 tonne/yr Threshold category 1 400 tonne/yr Threshold category 2a 1 tonne/h Threshold category 2a 2000 tonne/yr Threshold category 2b 60000 MWH Threshold category 2b 20 MW Threshold category 2b
Mercury chloride (HgCl <sub>2</sub> ) - 7487-94-7	5 kg/yr Threshold category 1b 20 MW Threshold category 2b 60000 MWH Threshold category 2b 2000 tonne/yr Threshold category 2b
Lead chloride (PbCl <sub>2</sub> ) - 7758-95-4	10 tonne/yr Threshold category 1 2000 tonne/yr Threshold category 2b 60000 MWH Threshold category 2b 20 MW Threshold category 2b
Copper(2+) chloride dihydrate - 10125-13-0	10 tonne/yr Threshold category 1 2000 tonne/yr Threshold category 2b 60000 MWH Threshold category 2b 20 MW Threshold category 2b
Pentachlorophenol - 87-86-5	20 MW Threshold category 2b total 60000 MWH Threshold category 2b total 1 tonne/h Threshold category 2a total 25 tonne/yr Threshold category 1a total 400 tonne/yr Threshold category 2a total 2000 tonne/yr Threshold category 2b total
Cadmium chloride - 10108-64-2	10 tonne/yr Threshold category 1 2000 tonne/yr Threshold category 2b 60000 MWH Threshold category 2b 20 MW Threshold category 2b
Antimonate(2-), bis[.mu.-(2,3-dihydroxybutanedioato(4-)-O1,O2:O3,O4)]di-,	10 tonne/yr Threshold category 1

dipotassium, trihydrate, stereoisomer - 28300-74-5

**International Inventories**

Contact supplier for inventory compliance status

**International Regulations****The Montreal Protocol on Substances that Deplete the Ozone Layer** Not applicable**The Stockholm Convention on Persistent Organic Pollutants**

Chemical name	Annex
Pentachlorophenol - 87-86-5	A

**The Rotterdam Convention**

Chemical name	Chemicals Subject to Prior Informed Consent (PIC)
Mercury chloride (HgCl <sub>2</sub> ) - 7487-94-7	Rotterdam
Pentachlorophenol - 87-86-5	Rotterdam

**SECTION 16: Other information****Prepared By** Bio-Rad Laboratories, Environmental Health and Safety**Revision date** 11-Jun-2021**Revision Note** Significant changes throughout SDS. Review all sections.**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
C	Carcinogen		

**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)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AELG(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)  
 Japan GHS Classification  
 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  
 RTECS (Registry of Toxic Effects of Chemical Substances)  
 World Health Organization

**Disclaimer**

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**End of Safety Data Sheet**