

# **SAFETY DATA SHEET**

According to WHS Regulations

Revision date 10-Feb-2022 Revision Number 1

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

Product identifier

Product Name Liquichek Urine Toxicology Control, Level C2 Low Opiate

Catalogue Number(s) 468, 468X

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

Hercules, CA 94547 USA <u>Manufacturer</u>

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

USA

**Legal Entity / Contact Address** 

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Emergency telephone number

24 Hour Emergency Phone Number CHEMTREC Australia: 61-290372994

## **SECTION 2: Hazards identification**

GHS Classification

Not classified

Label elements

**Hazard statements** 

Not classified

Other hazards which do not result in classification

Contains animal source material (Cattle) Contains components derived from human urine

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

#### Substance

Not applicable

#### Mixture

Chemical name	CAS No	Weight-%
Sodium fluoride	7681-49-4	0.01 - 0.099
Secobarbital	76-73-3	< 0.001
Pentobarbital sodium	57-33-0	< 0.001
Lysergide	50-37-3	< 0.001
Amobarbital	57-43-2	< 0.001
4(3H)-Quinazolinone, 2-methyl-3-(2-methylphenyl)-	72-44-6	< 0.001
(.+)-3,4-Methylenedioxyamphetamine	6292-91-7	< 0.001
hydrochloride		
Non-hazardous ingredients	Proprietary	Balance

## **SECTION 4: First aid measures**

## **Description of first aid measures**

**General advice** Contains components derived from human urine.

**Emergency telephone number** Poisons Information Centre, Australia: 13 11 26

Poisons Information Centre, New Zealand: 0800 764 766

Inhalation Remove to fresh air.

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Eye contact

Consult a doctor.

Skin contact Wash skin with soap and water.

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

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

No information available. **Symptoms** 

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

Note to doctors Contains human source material and / or potentially infectious components.

## SECTION 5: Firefighting measures

**Suitable Extinguishing Media** 

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

surrounding environment.

No information available. Unsuitable extinguishing media

Specific hazards arising from the chemical

Specific hazards arising from the

chemical

None known.

#### Special protective actions for fire-fighters

Special protective equipment for fire-fighters

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

Personal precautions See section 8 for more information.

For emergency responders Use personal protection recommended in Section 8.

**Environmental precautions** 

**Environmental precautions** See Section 12 for additional Ecological Information.

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.

Clean contaminated surface thoroughly. Use:. Disinfectant. Methods for cleaning up

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.

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

Conditions for safe storage, including any incompatibilities

Store according to product and label instructions. **Storage Conditions** 

Incompatible materials Metals.

## SECTION 8: Exposure controls/personal protection

#### **Control parameters**

#### **Exposure Limits**

Chemical name	Australia	ACGIH TLV
Sodium fluoride	2.5 mg/m <sup>3</sup>	TWA: 2.5 mg/m <sup>3</sup> F
7681-49-4		

#### Biological occupational exposure limits

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Chemical name	Australia	ACGIH
Sodium fluoride	-	2 mg/L - urine (Fluoride) - prior to shift
7681-49-4		3 mg/L - urine (Fluoride) - end of shift

#### Appropriate engineering controls

Engineering controls Showers

Eyewash stations Ventilation systems.

#### Individual protection measures, such as personal protective equipment

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

**Skin and body protection** Wear suitable protective clothing.

**Hand protection** Wear suitable gloves.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are

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

None known

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**Environmental exposure controls** No information available.

## **SECTION 9: Physical and chemical properties**

Information on basic physical and chemical properties

Physical state Liquid

Appearance Clear to slightly cloudy

Colourlight yellowOdourSlight.

Odour threshold No information available

Property Values Remarks • Method

**pH** 6.4-6.8

Melting point / freezing point No data available None known No data available Boiling point / boiling range None known Flash point No data available None known No data available **Evaporation rate** None known Flammability (solid, gas) No data available None known Flammability Limit in Air None known

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

Vapour pressureNo data availableNone knownVapour densityNo data availableNone knownRelative densityNo data availableNone known

Water solubility Miscible in water

Solubility(ies)No data availableNone knownPartition coefficientNo data availableNone knownAutoignition temperatureNo data availableNone knownDecomposition temperatureNo data availableNone knownKinematic viscosityNo data availableNone known

Kinematic viscosity

Dynamic viscosity

No data available

No data available

No data available

Not applicable

Explosive properties Not applicable Not applicable

Other information

Molecular weight Not applicable VOC Content (%) Not applicable

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## **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** Avoid contact with metals. This product contains Sodium azide. Sodium azide can react

with Copper, Brass, Lead, and solder in piping systems to form explosive compounds and

toxic gases.

Conditions to avoid

Conditions to avoid None known based on information supplied.

Incompatible materials

Incompatible materials Metals.

**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

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

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

**Symptoms** No information available.

Numerical measures of toxicity - Product Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium fluoride	= 52 mg/kg (Rat)	= 175 mg/kg (Rat)	-

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Secobarbital	= 125 mg/kg (Rat)	-	-
Pentobarbital sodium	= 118 mg/kg (Rat)	-	-
Amobarbital	= 250 mg/kg (Rat)	-	-
4(3H)-Quinazolinone, 2-methyl-3-(2-methylphenyl)-	= 185 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 Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Serious eye damage/eye irritation Respiratory or skin sensitisation Based on available data, the classification criteria are not met. Germ cell mutagenicity Based on available data, the classification criteria are not met. Carcinogenicity Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Reproductive toxicity STOT - single exposure Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. STOT - repeated exposure **Aspiration hazard** Based on available data, the classification criteria are not met.

# **SECTION 12: Ecological information**

**Ecotoxicity** 

**Ecotoxicity** 

**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
Sodium fluoride	EC50: =272mg/L (96h, Pseudokirchneriella subcapitata) EC50: =850mg/L (72h, Desmodesmus subspicatus)	LC50: 38 - 68mg/L (96h, Oncorhynchus mykiss) LC50: =180mg/L (96h, Pimephales promelas) LC50: =830mg/L (96h, Lepomis macrochirus) LC50: >530mg/L (96h, Lepomis macrochirus)	-	EC50: =338mg/L (48h, Daphnia magna) EC50: =98mg/L (48h, Daphnia magna)
Pentobarbital sodium	-	LC50: 45.5 - 53.8mg/L (96h, Pimephales promelas)	-	-
Amobarbital	-	LC50: 78.6 - 92.7mg/L (96h, Pimephales promelas)	-	-

Persistence and degradability

Persistence and degradability No information available.

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#### Bioaccumulative potential

Bioaccumulation There is no data for this product.

**Component Information** 

Chemical name	Partition coefficient
Pentobarbital sodium	2.1
Amobarbital	2.07

**Mobility** 

Mobility in soil No information available.

No information available. **Mobility** 

Other adverse effects

No information available. Other adverse effects

## **SECTION 13: Disposal considerations**

#### Waste treatment methods

Waste from residues/unused

products

Flush pipes with water frequently if discarding solutions containing Sodium azide into metal

piping systems. 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 Not regulated **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**

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** 

## National pollutant inventory

Subject to reporting requirement

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Chemical name	National pollutant inventory
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

#### **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 Not applicable

The Rotterdam Convention Not applicable

## **SECTION 16: Other information**

Prepared By Bio-Rad Laboratories, Environmental Health and Safety

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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) (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)

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** 

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