



RETEGO

Safety Data Sheet Lead (Pb) in Water Test Vial

SECTION 1: Identification

1.1 Product identifier

| | |
|----------------|------------------------------|
| Product name | Lead (Pb) in Water Test Vial |
| Product number | RET-Pb |
| Brand | RETEGO |

1.2 Other means of identification

Clear 3.5ml prepared vial marked "Pb"
Additionally identified with a date and lot stamp and the RETEGO Logo

1.3 Recommended use of the chemical and restrictions on use

This prepared reagent is designed for use with the RETEGO TTR Spectrometer for the rapid determination of Lead in water.

1.4 Supplier's details

| | |
|-----------|---|
| Name | RETEGO Labs |
| Address | 2320 North 640 West Suite F West Bountiful, Utah 84087 United States |
| Telephone | 801-209-5460 |
| Fax | |
| email | info@retgolabs.com |

1.5 Emergency phone number(s)

801-209-5460
713-485-9509

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

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2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

| Component | Concentration |
|--|---------------|
| HEXADECYLTRIMETHYLAMMONIUM BROMIDE (CAS no.: 57-09-0) CLASSIFICATIONS: No data available. HAZARDS: No data available. | < 45% |
| CITRIC ACID (CAS no.: 77-92-9) CLASSIFICATIONS: No data available. HAZARDS: No data available. | < 40% |

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

| | |
|-------------------------|---|
| General advice | Consult a physician. Show this safety data sheet to the doctor in attendance. |
| If inhaled | Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. |
| In case of skin contact | Wash off with soap and plenty of water. |
| In case of eye contact | Flush eyes with water as a precaution. |
| If swallowed | Never give anything by mouth to an unconscious person. Rinse mouth with water. |

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use extinguishing media appropriate for surrounding fire.

5.2 Specific hazards arising from the chemical

Carbon oxides

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No Data Available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas. For personal protection see section 8.

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6.2 Environmental precautions

No special environmental precautions required

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.

Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required.

Thermal hazards

None Known

Environmental exposure controls

None Known

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SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

| | |
|---|-------------------|
| Appearance/form | Solid |
| Odor | None |
| Odor threshold | No Data Available |
| pH | No Data Available |
| Melting point/freezing point | No Data Available |
| Initial boiling point and boiling range | No Data Available |
| Flash point | No Data Available |
| Evaporation rate | No Data Available |
| Flammability (solid, gas) | No Data Available |
| Upper/lower flammability limits | No Data Available |
| Upper/lower explosive limits | No Data Available |
| Vapor pressure | No Data Available |
| Vapor density | No Data Available |
| Relative density | No Data Available |
| Solubility(ies) | No Data Available |
| Partition coefficient: n-octanol/water | No Data Available |
| Auto-ignition temperature | No Data Available |
| Decomposition temperature | No Data Available |
| Viscosity | No Data Available |
| Explosive properties | No Data Available |
| Oxidizing properties | No Data Available |

SECTION 10: Stability and reactivity

10.1 Reactivity

None under normal use conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No Data Available

10.4 Conditions to avoid

No Data Available

10.5 Incompatible materials

No Data Available

10.6 Hazardous decomposition products

No Data Available

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SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

No Data Available

Skin corrosion/irritation

No Data Available

Serious eye damage/irritation

No Data Available

Respiratory or skin sensitization

No Data Available

Germ cell mutagenicity

No Data Available

Carcinogenicity

This product is, or contains, a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No Data Available

Summary of evaluation of the CMR properties

No Data Available

STOT-single exposure

No Data Available

STOT-repeated exposure

No Data Available

Aspiration hazard

No Data Available

Additional information

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

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SECTION 12: Ecological information

Toxicity

No Data Available

Persistence and degradability

No Data Available

Bioaccumulative potential

No Data Available

Mobility in soil

No Data Available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No Data Available

SECTION 13: Disposal considerations

Disposal of the product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Disposal of contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

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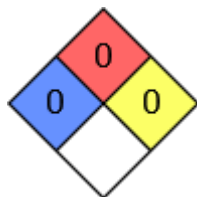
California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

HMIS Rating

| Lead (Pb) in Water Test Vial | |
|------------------------------|---|
| HEALTH | 0 |
| FLAMMABILITY | 0 |
| PHYSICAL HAZARD | 0 |
| PERSONAL PROTECTION | A |

NFPA Rating



SECTION 16: Other information

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16.1 Further information/disclaimer

License granted to make unlimited paper copies for internal use only.

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. RETEGO Labs L.L.C. (Wyoming) and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

16.2 Preparation information

L. D. Merrill June 27, 2017