



# Safety Data Sheet

## 1. Identification

**Product Name:** RL124B

**Recommended Use:** Reverse Osmosis Treatment

**Supplied by:** ChemTreat, Inc.  
5640 Cox Road  
Glen Allen, Virginia 23060  
E-Mail: productcompliance@chemtreat.com  
www.chemtreat.com  
(800) 648-4579

**Emergency Telephone:** (800) 424-9300

## 2. Hazards Identification

This substance or mixture is classified in accordance with 29 CFR 1910.1200.

### Hazard Pictogram(s)



### Signal Word

Warning

### Possible Hazards

30.000% of the mixture consists of ingredients of unknown acute toxicity

### GHS CLASSIFICATION & HAZARD STATEMENTS

|                                                      |      |                                                                    |
|------------------------------------------------------|------|--------------------------------------------------------------------|
| ACUTE TOXICITY - ORAL - CATEGORY 4                   | H302 | Harmful if swallowed.                                              |
| HEALTH HAZARDS NOT OTHERWISE CLASSIFIED - CATEGORY 1 | HNOC | Sulfite sensitive individuals may experience an allergic reaction. |

### PRECAUTIONARY STATEMENTS

|           |                                                                                                     |
|-----------|-----------------------------------------------------------------------------------------------------|
| P264      | Wash hands thoroughly after handling.                                                               |
| P270      | Do not eat, drink or smoke when using this product.                                                 |
| P301+P316 | IF SWALLOWED: Get emergency medical help immediately.                                               |
| P330      | Rinse mouth.                                                                                        |
| P501      | Dispose of contents/container in accordance with local/regional/national/international regulations. |

## 3. Composition/Information on Ingredients

| Chemical Name    | CAS-No.   | Wt. %   | GHS Statements |
|------------------|-----------|---------|----------------|
| Sodium bisulfite | 7631-90-5 | 30 - 40 | H302           |

The exact percentage (concentration) and/or specific chemical identity of the product composition has been withheld as a trade secret.  
Full text of H-statements (if any): see Section 16

## 4. First-aid Measures



**First Aid - General Advice:** Provide general supportive measures and treat symptomatically. If any symptoms persist or in all cases of doubt, seek medical advice.

**First Aid - Inhalation:** Move to fresh air. Call a physician if symptoms develop or persist.

**First Aid - Ingestion:** Rinse mouth. Seek medical advice immediately. Do not induce vomiting without advice from the poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**First Aid - Skin Contact:** Wash off with soap and water. Remove contaminated clothing. Seek medical attention if skin irritation occurs.

**First Aid - Eye Contact:** Rinse thoroughly with water. Remove eye contact lenses. Get medical attention if irritation develops and persists.

**Most Important Symptoms and Effects:** See Section 2 and Section 11, Toxicological effects for description of potential symptoms.

**Notes to Physician:** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Treat symptomatically.

## 5. Fire-fighting Measures

**Fire and Explosion Hazards:** Use standard firefighting procedures and consider the hazards of other involved materials.

**Special Firefighting Procedures:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Suitable Extinguishing Media:** Use extinguishing media suitable to surrounding fire.

## 6. Accidental Release Measures

**Methods and Materials for Containment and Cleanup:** Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Large Spills: Stop the flow of material, if possible without risk. Absorb in vermiculite, sand, or earth and place into containers. Flush area with water.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

**Environmental Precautions:** Avoid release to the environment. Do not allow discharge into drains, water courses, or onto the ground. See Section 12 for additional Ecological information.

**Advice for Emergency Responders:** Keep unnecessary personnel away. Ventilate area. Observe and follow emergency procedures.

**Personal Precautions:** Refer to protective measures listed in sections 7 and 8.

## 7. Handling and Storage

**Handling:** Sulfite blends with a pH <6 may have a strong odor and need to be handled in a well ventilated area. Maintain airborne concentrations at levels below permissible or recommended occupational exposure limits.

**Storage:** Store in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. Store above Freeze Point.

## 8. Exposure Controls/Personal Protection

### Ingredients with Occupational Exposure Limits

| Chemical Name                                                                            | ACGIH TLV-TWA | ACGIH-TLV STEL | OSHA PEL-TWA | OSHA PEL-CEILING |
|------------------------------------------------------------------------------------------|---------------|----------------|--------------|------------------|
| Sodium bisulfite                                                                         | 5 mg/m3       | N.E.           | N.E.         | N.E.             |
| MEL = Maximum Exposure Limit OES = Occupational Exposure Standard N.E. = Not Established |               |                |              |                  |

### Personal Protection

**Respiratory Protection:** If occupational exposure limits are exceeded and/or misting occurs, use NIOSH approved organic vapor/acid gas dual cartridge respirator with a dust/mist prefilter in accordance with 29 CFR 1910.134.

**Skin Protection:** Wear appropriate chemical resistant gloves.

**Eye Protection:** Safety glasses with side-shields.

**Other Protective Equipment:** Wear suitable protective clothing.

**Hygienic Practices:** Handle in accordance with good industrial hygiene and safety practice.

**Engineering Controls:** Use adequate ventilation to maintain airborne concentrations at levels below permissible or recommended occupational exposure limits.

## 9. Physical and Chemical Properties

|                                            |                |                               |                             |
|--------------------------------------------|----------------|-------------------------------|-----------------------------|
| <b>Appearance:</b>                         | Clear          | <b>Color:</b>                 | Yellow                      |
| <b>Physical State:</b>                     | Liquid         | <b>Odor:</b>                  | Strong                      |
| <b>Density, lb/gal:</b>                    | 10.30          | <b>Specific gravity, 20°C</b> | 1.235                       |
| <b>Freeze Point, °C:</b>                   | -1             | <b>pH:</b>                    | 3.90                        |
| <b>Solubility in Water:</b>                | Soluble        | <b>Viscosity:</b>             | 0 - 200 cps                 |
| <b>Boiling Range, °C:</b>                  | No Information | <b>Flash Point, °C:</b>       | No Information              |
| <b>Volatile Organic Compounds, gr/ltr:</b> | 0.00           | <b>Combustibility:</b>        | Does Not Sustain Combustion |

## 10. Stability and Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

**Stability:** Stable under recommended use and conditions.

**Conditions to Avoid:** Contact with incompatible materials.

**Incompatibility:** Strong oxidizing agents, strong acids, metals, aluminum, alkali, copper, zinc. Compatibilities with materials of construction are available upon request from a ChemTreat representative.

**Hazardous Decomposition Products:** Sulfur oxides. Sodium oxides. No hazardous reactions are expected under recommended use and condition. Additional reactivity or stability information is available upon request from a ChemTreat representative.

## 11. Toxicological Information

**Most Important Symptoms and Effects:** See Section 2 and Section 11, Toxicological effects for description of potential symptoms.

**Effect of Overexposure - Inhalation:** Under normal use conditions, this product is not expected to cause adverse health effects.

**Effect Of Overexposure - Ingestion:** Harmful if swallowed.

**Effect of Overexposure - Skin Contact:** No adverse effects due to skin contact are expected.

**Effect Of Overexposure - Eye Contact:** No adverse effects due to eye contact are expected.

**Effect Of Overexposure - Chronic Hazards:** No persistent or cumulative effects were observed. Under normal use conditions, this product is not expected to cause chronic health effects.

**Carcinogenicity:** Not classifiable as to carcinogenicity to humans.

### Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below

| CAS-No.               | Chemical Name    | Oral LD50      | Dermal LD50 | Vapor LC50 |
|-----------------------|------------------|----------------|-------------|------------|
| 7631-90-5             | Sodium bisulfite | 1310 mg/kg Rat | N.I.        | N.I.       |
| N.I. = No Information |                  |                |             |            |

## 12. Ecological Information

**Ecological Information:** The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

**Persistence and Degradability:** No data available.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** Slight.

**Other Adverse Ecological Effects:** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### Ecotoxicity

| Species                                            | Duration and Type      | Test Results |
|----------------------------------------------------|------------------------|--------------|
| Fathead minnow ( <i>Pimephales promelas</i> )      | NOEC for 7 days        | 600 mg/L     |
| Ceriodaphnia dubia                                 | NOEC for 7 days        | 300 mg/L     |
| Fathead minnow ( <i>Pimephales promelas</i> )      | LOEC for 7 days (mg/L) | 1200 mg/L    |
| Ceriodaphnia dubia                                 | LOEC for 7 days (mg/L) | 600 mg/L     |
| Sheepshead minnow ( <i>Cyprinodon variegatus</i> ) | LC50 for 96 hours      | 100 mg/L     |
| Fathead minnow ( <i>Pimephales promelas</i> )      | LC50 for 96 hours      | 849 mg/L     |
| Fathead minnow ( <i>Pimephales promelas</i> )      | LC50 for 96 hours      | >1000 mg/L   |

|                                      |                   |            |
|--------------------------------------|-------------------|------------|
| Opossum shrimp order (Mysida)        | LC50 for 48 hours | 70.7 mg/L  |
| Ceriodaphnia dubia                   | LC50 for 48 hours | 459 mg/L   |
| Ceriodaphnia dubia                   | LC50 for 48 hours | 390.4 mg/L |
| Fathead minnow (Pimephales promelas) | IC25 for 7 days   | 750 mg/L   |
| Ceriodaphnia dubia                   | IC25 for 7 days   | 420 mg/L   |

### 13. Disposal Information

**Disposal Instructions:** Do not dispose or allow this material to drain into sewers/water supplies. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Contaminated Packaging:** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**Hazardous Waste Code:** None

### 14. Transport Information

#### DOT

|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| UN Number:                    | UN2693                                                                 |
| Proper Shipping Name:         | BISULFITES, AQUEOUS SOLUTION, N.O.S.                                   |
| Technical Name:               | (SODIUM BISULFITE)                                                     |
| Hazard Class(es)              |                                                                        |
| Class:                        | 8                                                                      |
| Subsidiary Risk               | No Information                                                         |
| Packing Group:                | PGIII                                                                  |
| Special Precautions for user: | Read safety instructions, SDS and emergency procedures before handling |
| Reportable Quantity (RQ) lbs  | 16667 lbs (Sodium bisulfite)                                           |
| ERG Code:                     | 154                                                                    |

#### IATA

|                        |                                      |
|------------------------|--------------------------------------|
| UN Number:             | UN2693                               |
| Proper Shipping Name:  | BISULFITES, AQUEOUS SOLUTION, N.O.S. |
| Technical Name:        | (SODIUM BISULFITE)                   |
| Hazard Class(es)       |                                      |
| Class:                 | 8                                    |
| Subsidiary Risk:       | N/A                                  |
| Packing Group:         | PGIII                                |
| Environmental Hazards: | No                                   |
| ERG Code:              | 8L                                   |

#### IMDG

|                               |                                                                        |
|-------------------------------|------------------------------------------------------------------------|
| UN Number:                    | UN2693                                                                 |
| Proper Shipping Name:         | BISULFITES, AQUEOUS SOLUTION, N.O.S.                                   |
| Technical Name:               | (SODIUM BISULFITE)                                                     |
| Hazard Class(es)              |                                                                        |
| Class:                        | 8                                                                      |
| Subsidiary Risk:              | N/A                                                                    |
| Packing Group:                | PGIII                                                                  |
| Marine Pollutant:             | No                                                                     |
| EmS:                          | F-A, S-B                                                               |
| Special Precautions for user: | Read safety instructions, SDS and emergency procedures before handling |

**Special Transport Precautions:** No Information

## 15. Regulatory Information

### Federal Regulations:

This safety data sheet was prepared in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### Toxic Substances Control Act (TSCA)

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated

#### CERCLA Hazardous Substance List (40 CFR 302.4)

**Chemical Name**

Sodium bisulfite

**CAS-No.**

7631-90-5

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

##### SARA 302 Extremely Hazardous Substances

**Chemical Name**

Sodium bisulfite

**CAS-No.**

7631-90-5

**Threshold**

5000 lb

##### SARA 304 Emergency Release Notification

**Chemical Name**

Sodium bisulfite

**CAS-No.**

7631-90-5

##### SARA Section 311/312

**Classified Hazard Categories**

Acute Toxicity (any route of exposure)

##### SARA 313 (TRI reporting)

Not regulated

#### OSHA Specifically Regulated Substances List (40 CFR 1910.1001-1053)

Not regulated

#### Clean Air Act (CAA)

##### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated

##### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated

#### Safe Drinking Water Act (SDWA)

Not regulated

#### California Proposition 65

Not regulated

### International Regulations:

#### International Inventories:

| Country(s) or region | Inventory name                                                                                   | On inventory (yes/no)* |
|----------------------|--------------------------------------------------------------------------------------------------|------------------------|
| TSCA                 | United States Toxic Substances Control Act Inventory                                             | Yes                    |
| DSL                  | Canadian Domestic Substances List                                                                | Yes                    |
| NDSL                 | Canadian Non-Domestic Substances List                                                            | No                     |
| EINECS/ELINCS        | European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances | Yes                    |
| ENCS                 | Japan Existing and New Chemical Substances                                                       | Yes                    |
| IECSC                | China Inventory of Existing Chemical Substances                                                  | Yes                    |
| KECI                 | Korean Existing and Evaluated Chemical Substances                                                | Yes                    |

|       |                                                            |     |
|-------|------------------------------------------------------------|-----|
| PICCS | Philippines Inventory of Chemicals and Chemical Substances | Yes |
| AICS  | Australian Inventory of Chemical Substances                | Yes |
| NZIoC | New Zealand Inventory of Chemicals                         | Yes |
| TCSI  | Taiwan Chemical Substance Inventory                        | Yes |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s). A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## Compliance Information

### Food Regulations

FDA: All ingredients in this product are authorized for use in the following CFR section(s):  
GRAS 21 CFR 182.3739

## 16. Other Information

Revision Date: 5/7/2025  
Reason for revision: No Information  
Datasheet produced by: productcompliance@chemtreat.com

### HMIS Ratings:

|         |   |               |   |             |   |                      |   |
|---------|---|---------------|---|-------------|---|----------------------|---|
| Health: | 1 | Flammability: | 0 | Reactivity: | 0 | Personal Protection: | C |
|---------|---|---------------|---|-------------|---|----------------------|---|

### Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H302 Harmful if swallowed.

Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

ChemTreat, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, ChemTreat, Inc. makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their purposes prior to use. In no event will ChemTreat, Inc. be responsible for damages of any nature whatsoever resulting from the use or reliance upon information. No representation or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature are made hereunder with respect to information or the product to which information refers.