

# Material Safety Data Sheet

## Redi-Steam

### Section 1. Chemical Product and Company Identification

<b>Product Name</b>	Redi-Steam		
<b>Product Number</b>	BL0823		
<b>Product Use</b>	Not available		
<b>Manufacturer/Supplier</b>	Amrep, Inc. 990 Industrial Park Drive Marietta, GA 30062		
<b>Phone Number</b>	(770) 422-2071 (Mon-Fri/ 8am- 5pm ET)		
<b>D.O.T. Emergency Phone:</b>	CHEM TEL (800) 255-3924 INTERNATIONAL: + 01-813-248-0584		
<b>Date of Preparation</b>	<b>April 27 2009</b>	<b>Revision Number</b>	<b>1.0</b>

### Section 2. Hazards Identification

**Emergency overview** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**CAUTION!**

Do not ingest. Wash thoroughly after handling.

**Potential Acute Health Effects** This product is a severe eye irritant.

**Routes of Entry** Eye Contact Ingestion. INHALATION Skin contact.

**Eyes** This product may irritate eyes upon contact.

**Skin** May cause skin irritation.

**Inhalation** May be irritating to respiratory System. May cause headache, dizziness.

**Ingestion** Vomiting and Diarrhea possible

**Medical conditions aggravated by exposure:** Repeated skin exposure can produce local skin destruction, or dermatitis.

**Potential Chronic Health Effects** Repeated skin exposure can produce local skin destruction, or dermatitis.

**Carcinogenic Effects** Not classified or listed by IARC, NTP, OSHA, EU and ACGIH.

**Target organs**

**Environmental effects**

### Section 3. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
Anionic Surfactant	5324-84-5	10-15	Not available.	Not available.

#### Section 4. First Aid Measures

<b>Eye Contact</b>	Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water. Seek IMMEDIATE medical attention.
<b>Skin Contact</b>	Rinse with plenty of running water. Seek medical attention.
<b>Inhalation</b>	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration., preferably mouth to mouth if possible.
<b>Ingestion</b>	Call a poison control center immediately for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting unless instructed to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person
<b>General Advice</b>	In case of Accident or if you feel unwell, seek medical advice immediately (show label or MSDS where possible).
<b>Notes to Physician</b>	

#### Section 5. Fire Fighting Measures

<b>Flammability</b>	Non-flammable.
<b>Fire Fighting Media and Instructions</b>	Non-flammable substance.
<b>Products of Combustion</b>	Not Applicable
<b>Special Remarks on Fire Hazards</b>	No additional remark.
<b>Special Remarks on Explosion Hazards</b>	
<b>Sensitivity to Mechanical Impact</b>	N/A
<b>Sensitivity to Static Discharge</b>	N/A
	No additional remark.
<b>Protection of Fire Fighters</b>	See special remarks on Fire Hazards

#### Section 6. Accidental Release Measures

<b>Personal Precautions</b>	Gloves. Splash goggles.
<b>Methods for Containment</b>	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
<b>Environmental precautions</b>	See Methods for Containment
<b>Methods for Clean Up</b>	See Methods for Containment

#### Section 7. Handling and Storage

<b>Precautions</b>	Avoid contact with eyes. DO NOT ingest.
<b>Incompatibility</b>	acids
<b>Storage</b>	Keep out of reach of children. For Institutional and Commercial Use

<b>Section 8. Exposure Controls/Personal Protection</b>
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**Engineering Controls****Personal Protection** Good general ventilation should be sufficient to control airborne levels.**Eyes** Safety glasses.**Body** No additional special protective clothing is required.**Respiratory** A respirator is not needed under normal and intended conditions of product use.**Hands** Gloves.**Protective Clothing  
(Pictograms)****Exposure Limits** Not available.

<b>Section 9. Physical and Chemical Properties</b>
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<b>Physical State and Appearance</b>	Liquid	<b>Odor</b>	Floral.
		<b>Color</b>	Green.
<b>Molecular Weight</b>	Not applicable.		
<b>pH</b>	9.5 to 10.5 [Basic.]		
<b>Boiling/Condensation Point</b>	101.11°C (214°F)		
<b>Melting/Freezing Point</b>	Not available.		
<b>Critical Temperature</b>	Not available.		
<b>Instability Temperature</b>	Not available.		
<b>Specific Gravity</b>	1.007 (Water = 1)		
<b>Vapor Pressure</b>	Not available.		
<b>Vapor Density</b>	Not available.		
<b>Volatility</b>	75% (v/v).		
<b>VOC</b>	<1%		
<b>Evaporation Rate</b>	<1 compared to Water		
<b>Dispersion Properties</b>	See solubility in water.		
<b>Solubility</b>	Soluble		
<b>The Product is:</b>	Non-flammable.		
<b>Auto-ignition Temperature</b>	Not applicable.		
<b>Flash Points</b>	Not applicable.		
<b>Flammable Limits</b>	Not applicable.		
<b>Fire Hazards in Presence of Various Substances</b>	Non-flammable.		
<b>Explosion Hazards in Presence of Various Substances</b>	Not Applicable		

### Section 10. Stability and Reactivity Data

<b>Stability</b>	The product is stable.
<b>Incompatibility with Various Substances</b>	acids
<b>Hazardous Decomposition Products</b>	Not available.

### Section 11. Toxicological Information

#### Routes of Entry

<b>Toxicity to Animals</b>	Eye Contact Ingestion. INHALATION Skin contact.
<b>Acute Effects on Humans</b>	Acute oral toxicity (LD50): 3030 mg/kg [Rat]. (Tetrasodium salt of ethylenediaminetetraacetic acid).
<b>Eyes</b>	This product may irritate eyes upon contact.
<b>Skin</b>	May cause skin irritation.
<b>Inhalation</b>	May be irritating to respiratory System. May cause headache, dizziness.
<b>Ingestion</b>	Vomiting and Diarrhea possible
<b>Chronic Effects on Humans</b>	Repeated skin exposure can produce local skin destruction, or dermatitis.
<b>Special Remarks on Toxicity to Animals</b>	No additional remark.
<b>Special Remarks on Chronic Effects on Humans</b>	No additional remark.

### Section 12. Ecological Information

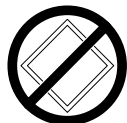
<b>Ecotoxicity</b>	Not available.
<b>BOD5 and COD</b>	Not available.
<b>Products of Biodegradation</b>	Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.
<b>Toxicity of the Products of Biodegradation</b>	Not Applicable
<b>Special Remarks on the Products of Biodegradation</b>	No additional remark.

### Section 13. Disposal Considerations

<b>Waste Information</b>	Not available.
<b>Waste Stream</b>	Not available.

## Section 14. Transport Information

**DOT (U.S.A)  
(Pictograms)**



**TDG Classification**

Not controlled under TDG (Canada).



**PIN UN, Proper Shipping Name, PG** Not applicable.

**Maritime Transportation** Not available.

**Special Provisions for Transport** Not applicable.

## Section 15. Other Regulatory Information and Pictograms

**Regulatory Lists** No products were found.

**Other Regulations** Not available. or of its ingredients

**Other Classifications** **HCS (U.S.A.)** HCS CLASS: Irritating substance.

**USA Regulatory Lists** This product does NOT contain components that are known to the state of California to Cause Cancer or Reproductive Harm at or above California Prop 65 No Observable Effect Level (NOEL) (Safe Harbor Level).

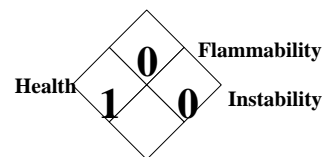
**DSD (EEC)** This product is not classified according to the EU regulations.

**International Regulations Lists** No products were found.

**Hazardous Material Information System (U.S.A.)**

Health	1
Flammability	0
Physical Hazard	0

**National Fire Protection Association (U.S.A.)**



Specific Hazard

**WHMIS (Classification)** WHMIS CLASS D-2: Material causing other toxic effects.



The Hazard Ranking systems presented on this MSDS provide only a quick reference for hazard information. The ENTIRE MSDS must be consulted to determine any specific hazards, First Aid measures, and PPE associated with this product.

**Section 16. Other Information**

**Expiry date** 3 (Three Years) from the date of preparation indicated in Section 1

**Validated by** CRushton on 4/27/2009.

**Verified by** CRushton.

**Printed** 4/27/2009.

**Information Contact** **Amrep, Inc.**  
**990 Industrial Park Drive**  
**Marietta, GA 30062**

Notice to Reader:

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

**Validated on** 4/27/2009.

***Redi-Steam***