



Research Laboratories, Inc  
**Material Safety Data Sheet**

This MSDS complies with 29 CFR 1910.1200 OSHA's Hazard Communication Standard.

**PRODUCT:** McBride Wave Lock Neutralizer  
**DATE PREPARED:** 7/27/11

**RNA 12-182**  
**DATE UPDATED:** NEW

HAZARD RATING	HAZARD	HMIS	NFPA
4 - Very High	Health	1	1
3 - High	Flammability	0	0
2 - Moderate	Reactivity	1	1
1 - Slight	Personal Protection	B	OX
0 - Insignificant			

**SECTION I: SOURCE AND EMERGENCY PHONE CONTACTS:**

RNA CORPORATION  
13750 Chatham Street, Blue Island, IL 60406 USA

EMERGENCY PHONE NO. 708-597-7777  
CHEMTREC: 800-424-9300 or 703-527-3887

**SECTION II: INGREDIENT INFORMATION**

<u>Chemical Identity/Common Name</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH</u>	<u>TWA TLV</u>	<u>% Wt.</u>
Sodium Bromate	7789-38-0			5mg/m <sup>3</sup>	10-11%

**SECTION III: HEALTH HAZARD IDENTIFICATION (Also See Section XI)**

**ROUTE(S) OF ENTRY:** Eyes, Skin, Inhalation, and Ingestion

**POTENTIAL HEALTH EFFECTS:** This is a personal care product that is safe under intended use.

**EYES:** Contact may cause burns. There is a risk of serious damage to eyes including blindness. Corrosive to eyes and may cause irritation, redness, or swelling.

**SKIN:** Prolonged or repeated contact may cause skin irritation, local redness and swelling. Can cause defatting of skin.

**INHALATION:** Do not breathe vapors. Irritating to the nose, throat, and respiratory tract.

**INGESTION:** Contact may cause burns to the lips, oral cavity, upper airway, esophagus and possible the digestive tract.

**SECTION IV: FIRST AID MEASURES**

**EYE CONTACT:** In case of contact, immediately flush eyes with plenty of water, remove any contact lenses, and continue flushing for at least 15 minutes. Get medical attention if irritation persists.

**SKIN CONTACT:** Wash skin with plenty of soap and water. Remove contaminated clothing and shoes. Wash separately before re-using. Get medical attention if irritation persists.

**INHALATION:** Remove to fresh air.

**INGESTION:** Get medical attention. Do not induce vomiting, but rinse mouth with water and give one or two glasses of water to drink and get medical attention. Never give anything by mouth to an unconscious person.

**NOTES TO PHYSICIAN:** Treat symptomatically.

**SECTION V: FIRE AND EXPLOSION HAZARD DATA**

**FLAMMABLE PROPERTIES:** Not considered flammable

**FLAMMABLE LIMITS IN AIR:** N/E LEL: N/E UEL: N/E

**EXTINGUISHING MEDIA:** Use dry chemical, foam, carbon dioxide, or water.

**FIRE & EXPLOSION HAZARDS:** None Known.

**FIRE FIGHTING INSTRUCTIONS:** As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear. Water can be used to cool fire-exposed containers.

**COMBUSTION PRODUCTS:** Hazardous decomposition products are oxides of carbon and nitrogen including carbon dioxide and carbon monoxide.



Research Laboratories, Inc

## **SECTION VI: ACCIDENTAL RELEASE MEASURES**

**SAFEGUARDS (PERSONNEL):** Wear appropriate personal protective equipment. Use safety glasses or safety goggles if splash hazards exist; use gloves and other protective clothing (apron, boots, etc.) to prevent skin contact. (See Section 8)

**INITIAL CONTAINMENT:** Contain spilled material with dikes or absorbents.

**LARGE SPILLS PROCEDURE:** Contain spilled material. Prevent additional discharge of materials if possible to do without hazard. Dike large spills. Absorbed with inert material, sweep, or scrape up and containerize. Wear / use appropriate protective equipment. Dispose of according to Federal, State and Local regulations.

**SMALL SPILLS PROCEDURE:** Contain spilled material. Absorb with inert material and place in disposal container. Wash down area with detergent.

**MISCELLANEOUS:** Treat or dispose of residue in accordance with all federal, state, and local requirements.

## **SECTION VII: HANDLING AND STORAGE**

**HANDLING (PERSONNEL):** Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wash hands thoroughly after using or handling.

**HANDLING (PHYSICAL ASPECTS):** Secure container after each use. Store in a cool, dry, secure area. Keep out of reach of children.

**STORAGE PRECAUTIONS:** Store in a cool dry place in a tightly closed container.

## **SECTION VIII: EXPOSURE CONTROL / PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Store in a cool dry place in a tightly closed container.

**EYE / FACE PROTECTION REQUIREMENTS:** When splashing of the material may occur, chemical goggles and/or a face shield are recommended.

**SKIN PROTECTION REQUIREMENTS:** Where contact is likely, wear chemical resistant gloves and/or apron should be used.

**RESPIRATORY PROTECTION REQUIREMENTS:** Under normal use conditions with adequate ventilation and eye protection, no other special handling equipment is required.

**EXPOSURE GUIDELINES:** No Information Available.

## **SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Boiling Point:</b>	> 212°F	<b>Specific Gravity:</b>	0.97 – 1.00 (H <sub>2</sub> O = 1)
<b>Vapor Pressure:</b>	N.A.	<b>Melting Point:</b>	N.A..
<b>Vapor Density:</b>	N.A.	<b>Solubility in Water:</b>	Miscible
<b>Evaporation Rate:</b>	N.A.	<b>Theoretical VOC:</b>	N.A
<b>pH:</b>	3.0 – 4.5 @ 25°C	<b>Freezing Point:</b>	N.A.
<b>% Volatile by Volume:</b>	N.A.	<b>Appearance &amp; Odor:</b>	Beige color viscous cream with pleasant odor

## **SECTION X: STABILITY AND REACTIVITY**

**STABILITY:** Stable

**STABILITY CONDITIONS TO AVOID:** None known.

**INCOMPATIBILITY:** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Upon combustion product will yield carbon monoxide, carbon dioxide and various hydrocarbons.

**HAZARDOUS POLYMERIZATION:** Will not occur

**HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID:** None

## **SECTION XI: TOXICOLOGY INFORMATION (Also See Section III)**

**CHRONIC EFFECTS:** None known.

**REPRODUCTIVE HAZARDS:** None known.



**Research Laboratories, Inc**

**CARCINOGENICITY INFORMATION:** None known.

**TARGET ORGAN:** None known.

**SECTION XII: ECOLOGICAL INFORMATION**

**ENVIRONMENTAL HAZARDS:** The product ingredients are expected to be safe for the environment at concentrations predicted under normal use and accidental spill scenarios.

**ENVIRONMENTAL FATE:** None known.

**SECTION XIII: DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL INFORMATION:** Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements. This product, if it becomes a waste, is not considered a hazardous waste according to RCRA criteria (40 CFR 261).

**SECTION IV: TRANSPORTATION INFORMATION**

**PROPER SHIPPING NAME:** UN3139, Oxidizing Liquid, N.O.S. (Contains Sodium Bromate), 5.1, PG III. ERG #140.

**Based upon the current product sizes, the following would apply...**

**U.S. DOT:** (1) For individual products that are less than 5L (1.3 gallons) this product can be shipped within the continental U.S. or Canada by ground as a consumer commodity ORM-D or the new Limited Quantities symbol.

(2) For individual products that are less than 1 L (33.8 oz.) this product can be shipped within the continental U.S. by air as a consumer commodity ORM-D-AIR. This will change to IATA rules by 1/1/2013.

**IATA:** (1) For International Air transport, individual products that are up to 500mL (16.9 oz.) can be shipped as Limited Quantities. ID 8000, Consumer Commodity, 9, packing instruction Y963.

(2) For 500 mL to 2.5 L (84.5 oz.) sizes, this product would be shipped as UN3139, Oxidizing Liquid, N.O.S. (Contains Sodium Bromate), 5.1, PG III, packing instruction 551. There is a limit of 2.5 L (84.5 oz.) per carton on passenger aircraft and requires UN packaging.

(3) For 2.5 L (84.5 oz.) to 5 L (169 oz.) sizes, this product would be shipped as UN3139, Oxidizing Liquid, N.O.S. (Contains Sodium Bromate), 5.1, PG III, packing instruction 555. There is a limit of 30 L per carton, requires UN packaging and shipped by cargo aircraft only.

**IMO:** UN3139, Oxidizing Liquid, N.O.S. (Contains Sodium Bromate), 5.1, PG III. LIMITED QUANTITIES

**SECTION XV: REGULATORY INFORMATION**

**REGULATORY DISCLOSURES:** The product is regulated under the Federal Food, Drug, and Cosmetics Act and is safe to use as directed.

**California Cosmetics Act:** Not reportable

**California Proposition 65:** This product not subject to a warning label.

**MISCELLANEOUS INFORMATION:** None



**Research Laboratories, Inc**

**COMPOSITION COMMENT:** This product does not contain any components required to be reported as per the SARA Section 313.

**SECTION XVI: OTHER INFORMATION**

**ADDITIONAL INFORMATION:** USE AS DIRECTED.

**EPA REGISTRATION #:** None

**PREPARATION INFORMATION:**

**PREPARED BY:** PSK (Refer to Page 1 for contact information.)

NOTE: The information in this document is believed to be correct as of the date issued, and given in good faith, but no warranty expressed or implied is made by RNA CORPORATION. This information and product are furnished on the condition that the person, company or organization receiving them shall make his own determination as to the suitability of the product for his particular purpose on the condition that he assumes the risk thereof.