

**Safety Data Sheet**  
Regulation (EC) No 1907/2006 (REACH)

**Section 1: Identification of the Substance/Preparation and the Company/Undertaking**

**1.1 Product Identifier**

**Product Name:** RNase Away™

**SDS Date** February 1, 2016

**1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against**

**Product Use:** Cleaning Agent

**Uses Advised Against:** Use only as directed

**1.3 Details of the Supplier of the Safety Data Sheet**

**Manufacturer** Molecular Bio-Products, Inc.

**Name:** 9389 Waples Street

**Address:** San Diego, CA 92121

**Telephone number:** (858) 453-7551

**1.4 Emergency Telephone Number:** 1-800-424-9300 (Chemtrec)

**Section 2. Hazards Identification**

**2.1 Classification of the Substance or Mixture (EC No. 1272/2008 CLP)**

Physical	Health	Environmental
None	Skin Corrosion Category 1 (H314) Eye Damage Category 1 (H318)	Not Hazardous

**2.2 Label Elements**

**Danger!**



**Hazard statements**

H314 Causes severe skin burns and eye damage.

**Precautionary statements**

P260 Do not breathe mists or spray.  
 P264 Wash thoroughly after handling.  
 P280 Wear protective gloves, protective clothing, eye protection and face protection.  
 P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
 P310 Immediately call a POISON CENTER or doctor.  
 P303 + P361 + P353 IF ON SKIN (or hair): Take off

immediately all contaminated clothing. Rinse skin with soap and water.

P363 Wash contaminated clothing before reuse.

P310 Immediately call a POISON CENTER or doctor.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P310 Immediately call a POISON CENTER or doctor.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor.

P405 Store locked up.

P501 Dispose of contents and container in accordance with local and national regulations.

**2.3 Other Hazards:** None

**Section 3. Composition / Information on Ingredients**

**3.1 Substances:** Not Applicable

**3.2 Mixture**

Chemical name	CAS No.	Concentration	GHS/CLP Classification
Alkali Hydroxide	Proprietary	<1	Skin Corr 1 (H314) Eye Dam (H318)

See Section 16 for full text of GHS Classifications.

**Section 4. First-Aid Measures**

**4.1 Description of First Aid Measures**

**Inhalation:** Remove victim to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get immediate medical attention.

**Skin contact:** Immediately flush with water for at least 20 minutes, then wash with soap and water until no trace of the chemical remains. Remove contaminated clothing immediately and launder before reuse. Get immediate medical attention.

**Eye contact:** Immediately flush eyes with water for at least 30 minutes while lifting the upper and lower lids. Get immediate medical attention.

**Ingestion:** Get immediate medical attention. If conscious, rinse mouth with water and give 1 glass of water to dilute. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing.

**4.2 Most important symptoms and effects, both acute and delayed:** Causes eye and skin burns. Permanent damage may occur. Inhalation of mists may cause severe upper respiratory irritation. High concentrations may cause lung damage. Swallowing may cause burns to the mouth, throat and stomach. Harmful or fatal if swallowed.

**4.3 Indication of immediate medical attention and special treatment as needed:** If contact occurs by any route of exposure, get immediate medical attention.

### Section 5. Fire-Fighting Measures

**5.1 Extinguishing Media:** This material is not combustible. Use medical appropriate for the surrounding fire.

**5.2 Special Hazards arising from the Substance or Mixture:** Combustion may produce carbon and sodium oxides.

**5.3 Advice for Fire-Fighters:** Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool fire exposure containers with water.

### Section 6. Accidental Release Measures

**6.1 Personal precautions, protective equipment, and emergency procedures:** Wear appropriate protective clothing and equipment to prevent eye and skin contact.

**6.2 Environmental precautions:** Avoid release to the environment. Report spill as required by local and federal regulations.

**6.3 Methods and materials for containment and cleaning up:** Collect spilled material with inert material and place into a closable container for disposal. Wash spill area with water.

**6.4 Reference to other sections:** Refer to Section 8 for personal protective equipment and Section 13 for disposal information.

### Section 7. Handling and Storage

**7.1 Precautions for safe handling:** Prevent contact with eyes, skin and clothing. Do not breathe spray or mists. Use with adequate ventilation. Wash thoroughly after handling.

**7.2 Conditions for safe storage, including any incompatibilities.** Store in a cool, well-ventilated area away from oxidizing agents. Protect from physical damage.

**7.3 Specific end uses:** Cleaning Agent

### Section 8. Exposure Controls / Personal Protection

#### 8.1 Control Parameters

#### Exposure guidelines:

Alkali Hydroxide	2 mg/m <sup>3</sup> Ceiling ACGIH TLV 2 mg/m <sup>3</sup> STEL UK WEL
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## 8.2 Exposure Controls:

**Appropriate engineering controls:** For operations where exposures limits are exceeded increased mechanical ventilation such as local exhaust may be required.

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

**Respiratory protection:** None needed under normal use conditions. If significant quantities of mist are generated, an approved dust/mist respirator is recommended. Equipment selection depends on containment type and concentration, select in accordance with local regulations and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

**Skin protection:** Nitrile, neoprene or other impervious gloves are recommended to prevent skin contact.

**Eye protection:** Chemical safety goggles and face shield required.

**Other:** Impervious apron, boots and other clothing are recommended if needed to prevent contact. Eye wash and safety shower should be available if contact may occur.

## Section 9. Physical and Chemical Properties

### 9.1 Information on Basic Physical and Chemical Properties

**Appearance:** Clear liquid

**Odor:** Slight fragrant odor.

<b>Odor threshold:</b> Not available	<b>pH:</b> 11-12
<b>Melting point/freezing point:</b> ~32°F (~0°C)	<b>Boiling point:</b> ~212°F (~100°C)
<b>Flash point:</b> Not flammable	<b>Evaporation rate:</b> ~1
<b>Flammability (solid, gas):</b> Not applicable	
<b>Flammable limits: LEL:</b> Not applicable	<b>UEL:</b> Not applicable
<b>Vapor pressure:</b> No data available	<b>Vapor density:</b> Not available
<b>Relative density:</b> 1.0	<b>Solubility(ies):</b> Soluble
<b>Partition coefficient: n-octanol/water:</b> Not available	<b>Auto-ignition temperature:</b> Not applicable
<b>Decomposition temperature:</b> Not available	

**9.2 Other Information:** None available

## Section 10. Stability and Reactivity

**10.1 Reactivity:** Not reactive under normal conditions of use.

**10.2 Chemical stability:** Stable.

**10.3 Possibility of hazardous reactions:** None known.

**10.4 Conditions to avoid:** None known.

**10.5 Incompatible materials:** Avoid acids, contact with metals and water reactive materials.

**10.6 Hazardous decomposition products:** Thermal decomposition may yield carbon and sodium oxides.

## Section 11. Toxicological Information

### 11.1 Information on Toxicological Effects:

#### Potential Health Effects:

**Inhalation:** Mists may cause mucous membrane and upper respiratory tract irritation with coughing, sore throat and difficulty in breathing. High concentrations of mists may cause lung edema.

**Skin Contact:** Causes severe irritation and burns. Skin damage was severe when tested in a 24 hr skin irritation study with rabbits.

**Eye Contact:** Causes severe irritation and burns with redness, pain, tearing and swelling. Permanent eye damage and blindness is possible. Eye damage was severe in a 24 hr eye irritation studies with monkeys and rabbits.

**Ingestion:** Swallowing may cause severe gastrointestinal irritation or burns with nausea, vomiting and diarrhea.

**Chronic Effects:** Prolonged or repeated exposure to dilute solutions may cause dermatitis.

**Skin corrosion/irritation:** No data available on the product. This product is expected to cause skin corrosion based on the pH.

**Eye damage/ irritation:** No data available on the product. This product is expected to cause eye damage based on the pH.

**Skin Sensitization:** None of the components are sensitizing to animals or humans.

**Respiratory Sensitization:** No data available.

**Germ Cell Mutagenicity:** None of the components have been shown to cause germ cell mutagenicity.

**Reproductive Toxicity:** None of the components have been shown to cause reproductive or developmental toxicity.

**Carcinogenicity:** None of the components of this product are listed as carcinogens by IARC or the EU CLP.

**Reproductive Toxicity:** No adverse effects are expected. Components are not reproductive toxins.

#### Specific Target Organ Toxicity:

**Single Exposure:** No data available.

**Repeat Exposure:** No data available.

**Aspiration Toxicity:** Product does not meet the viscosity criteria.

#### Acute toxicity values:

Acute Toxicity Estimate: Oral 14285 mg/kg Dermal 142,857 mg/kg

Alkali Hydroxide: Oral rat LD50 140 mg/kg, Dermal rabbit LD50 1350 mg/kg

## Section 12. Ecological Information

### 12.1 Toxicity:

Alkali Hydroxide: 48 hr EC50 Ceriodaphnia sp 40.4 mg/L

**12.2 Persistence and degradability:** No data available.

**12.3 Bioaccumulative potential:** No data available. Not expected to be bioaccumulative.

**12.4 Mobility in soil:** No data available.

**12.5 Results of PBT and vPvB assessment:** Components are not classified as PBT or vPvB.

**12.6 Other Adverse Effects:** None known.

**Section 13. Disposal Considerations**

**13.1 Waste Treatment Methods:** Dispose in accordance with all local, state and federal regulations.

**Section 14. Transport Information**

	<b>14.1 UN Number</b>	<b>14.2 UN Proper Shipping Name</b>	<b>14.3 Hazard Class(s)</b>	<b>14.4 Packing Group</b>	<b>14.5 Environmental Hazards</b>
<b>US DOT</b>		Not Regulated			None
<b>Canadian TDG</b>		Not Regulated			
<b>IMDG</b>		Not Regulated			
<b>EU ADR/RID</b>		Not Regulated			
<b>IATA/ICAO</b>		Not Regulated			

**14.6 Special precautions:** None known

**14.7 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):** Not applicable – product is transported only in packaged form.

**Section 15. Regulatory Information**

**15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture**

**15.2 Chemical safety assessment:** Not required

**Section 16. Other Information**

CLP/GHS Classification and H Phrases for Reference (See Section 3)

Skin Corr 1 Skin Corrosion Category 1

Eye Dam 1 Eye Damage Category 1

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage.

**SDS Revision History:** All section revised. Converted to REACH format

**Date of preparation:** February 1, 2016

**Date of last revision:** November 13, 2015