

## 1. Identification of the substance/mixture and of the company/undertaking

### Identification of the substance/preparation

**Product code** 10328011  
**Product name** RNASE AWAY

### Company/Undertaking Identification

Life Technologies  
 5791 Van Allen Way  
 PO Box 6482  
 Carlsbad, CA 92008  
 +1 760 603 7200

Life Technologies  
 5250 Mainway Drive  
 Burlington, ONT  
 CANADA L7L 6A4  
 800/263-6236

### 24 hour Emergency Response:

866-536-0631  
 301-431-8585  
 Outside of the U.S. +1-301-431-8585

**For research use only. Not intended for human or animal diagnostic or therapeutic uses.**

## 2. Hazards identification

### GHS - Classification

**Signal Word**  
**WARNING**



### Health Hazard

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2

### Physical Hazards

not hazardous

### Hazard statements

H315 - Causes skin irritation  
 H319 - Causes serious eye irritation

### Precautionary statements

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P332 + P313 - If skin irritation occurs: Get medical advice/attention

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

P362 - Take off contaminated clothing and wash before reuse

P264 - Wash hands thoroughly after handling

P337 + P313 - If eye irritation persists: Get medical advice/attention

### Principle Routes of Exposure/

#### Potential Health effects

<b>Eyes</b>	Irritating to eyes.
<b>Skin</b>	Irritating to skin.
<b>Inhalation</b>	May be harmful by inhalation.
<b>Ingestion</b>	May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### Specific effects

<b>Carcinogenic effects</b>	none
<b>Mutagenic effects</b>	none
<b>Reproductive toxicity</b>	none
<b>Sensitization</b>	none

**Target Organ Effects** None under normal use conditions

### HMIS

Health	1
Flammability	0
Reactivity	0

### 3. Composition/information on ingredients

Chemical Name	CAS-No	EINECS-No	Weight %
Alkali hydroxide	proprietary	-	0.1-1.0

We recommend handling all chemicals with caution.

### 4. First aid measures

<b>Skin contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.
<b>Eye contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
<b>Ingestion</b>	Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.
<b>Inhalation</b>	Move to fresh air. If not breathing, give artificial respiration. Call a physician or Poison Control Centre immediately.
<b>Notes to physician</b>	Treat symptomatically.

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## 5. Fire-fighting measures

**Suitable extinguishing media** Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.  
**Special protective equipment for firefighters** Wear self-contained breathing apparatus and protective suit.

## 6. Accidental release measures

**Personal precautions** Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment.

**Methods for cleaning up** Soak up with inert absorbent material.

### Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

## 7. Handling and storage

**Handling** Always wear recommended Personal Protective Equipment. No special handling advice required.

**Storage** Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

## 8. Exposure controls/personal protection

### Exposure limits

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Alkali hydroxide	none	none	none	none

**Engineering measures** Ensure adequate ventilation, especially in confined areas.

### Personal protective equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

**Respiratory protection** In case of insufficient ventilation wear suitable respiratory equipment.

**Hand protection** Impervious gloves.

**Eye protection** Safety glasses with side-shields.

**Skin and body protection.** Lightweight protective clothing.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice.

### Environmental exposure controls

Prevent product from entering drains. Do not allow material to contaminate ground water system.

## 9. Physical and chemical properties

### General Information

<b>Form</b>	liquid	
<b>Appearance</b>	No information available	
<b>Odor</b>	No information available	
<b>Boiling Point/Range</b>	°C no data available	°F no data available
<b>Melting point/range</b>	°C no data available	°F no data available
<b>Flash point</b>	°C no data available	°F no data available
<b>Autoignition temperature</b>	°C no data available	°F no data available
<b>Oxidizing properties</b>	No information available.	
<b>Water solubility</b>	soluble	
<b>pH Range</b>	10-11.5	

## 10. Stability and reactivity

<b>Stability</b>	Stable under normal conditions.
<b>Materials to avoid</b>	No information available.
<b>Hazardous decomposition products</b>	No information available.
<b>polymerization</b>	None under normal processing.

## 11. Toxicological information

### Acute toxicity

<b>Chemical Name</b>	<b>LD50 (oral, rat/mouse)</b>	<b>LD50 (dermal, rat/rabbit)</b>	<b>LC50 (inhalation, rat/mouse)</b>
Alkali hydroxide	no data available	no data available	no data available

### Principle Routes of Exposure/ Potential Health effects

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<b>Ingestion</b>	May be harmful if swallowed Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
<b>Carcinogenic effects</b>	none
<b>Mutagenic effects</b>	none
<b>Reproductive toxicity</b>	none
<b>Sensitization</b>	none
<b>Target Organ Effects</b>	None under normal use conditions

## 12. Ecological information

<b>Ecotoxicity effects</b>	No information available.
<b>Mobility</b>	No information available.
<b>Biodegradation</b>	No information available.
<b>Bioaccumulation</b>	No information available.

### 13. Disposal considerations

Dispose of in accordance with local regulations.

### 14. Transport information

#### IATA

<b>Proper shipping name</b>	Not classified as dangerous in the meaning of transport regulations
<b>Hazard class</b>	none
<b>Subsidiary Class</b>	none
<b>Packing group</b>	none
<b>UN-No</b>	none

### 15. Regulatory information

Component	TSCA
Alkali hydroxide proprietary ( 0.1-1.0 )	-

#### U.S. Federal Regulations

##### **SARA 313**

This product is not regulated by SARA.

##### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product does not contains HAPs.

#### U.S. State Regulations

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Alkali hydroxide	-	-	-	-	-

##### **California Proposition 65**

This product does not contain chemicals listed under Proposition 65

#### WHMIS Hazard Class

D2B Toxic materials



This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

### 16. Other information

**Reason for Revision** (M)SDS sections updated.

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**End of Safety Data Sheet**