

## Safety Data Sheet Buffer For Deactivation Fluid

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### Product Identifier

**Product Name** Buffer For Deactivation Fluid

#### Recommended use of the chemical and restrictions on use

**Specific use(s)** Aptima Assays

**Recommended Use** In vitro diagnostic

#### Details of the supplier of the safety data sheet

**United States of America Distributor** Hologic, Inc.  
10210 Genetic Center Drive  
San Diego, CA 92121-4362  
USA

**Canadian Distributor** Hologic Canada Limited  
130 Spadina Avenue, Suite 401  
Toronto, ON, M5V-2L4  
Canada  
1-877-209-7192

#### **Emergency Telephone - United States of America**

**24 Hour Emergency Phone Number** Chemtrec, U.S. and Canada 1-800-424-9300; Chemtrec International +1-703-527-3887

**For further information, please contact:** MolecularSupport@hologic.com

### SECTION 2: Hazards identification

#### Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

<b>Skin corrosion/irritation</b>	<b>Category 2</b>
----------------------------------	-------------------

<b>Serious eye damage/eye irritation</b>	<b>Category 2</b>
--	-------------------

#### Emergency Overview

#### Label Elements



#### Signal word

Warning

#### Hazard Statements

H315 - Causes skin irritation

## Buffer For Deactivation Fluid

H319 - Causes serious eye irritation

### **Precautionary Statements - Prevention**

P264 - Wash face, hands and any exposed skin thoroughly after handling

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

### **ERG Code**

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

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

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

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

P362 - Take off contaminated clothing and wash before reuse

### **Hazards not otherwise classified (HNOC)**

H411 - Toxic to aquatic life with long lasting effects. H401 - Toxic to aquatic life.

### **Unknown Acute Toxicity**

7.42% of the mixture consists of ingredient(s) of unknown toxicity

## SECTION 3: Composition/information on ingredients

### **Substances**

Not applicable

### **Mixtures**

Mixtures

### **OSHA Hazard Classification**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Component name	CAS No	%
Sodium Hydroxide	1310-73-2	1 - 5
Sodium Hypochlorite	7681-52-9	< 1

## SECTION 4: First aid measures

### **First aid measures**

#### **Eye contact**

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If symptoms persist, call a physician.

#### **Skin Contact**

Wash skin with soap and water. If symptoms persist, call a physician.

#### **Inhalation**

Remove to fresh air. If symptoms persist, call a physician.

#### **Ingestion**

Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.

### **Indication of any immediate medical attention and special treatment needed**

#### **Note to physicians**

Treat symptomatically.

## SECTION 5: Firefighting measures

#### **Flammability**

Not flammable.

#### **Suitable Extinguishing Media**

Use extinguishing agent suitable for type of surrounding fire.

## Buffer For Deactivation Fluid

### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## SECTION 6: Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Use personal protective equipment as required.

**Environmental precautions** See Section 12 for additional ecological information.

### Methods and material for containment and cleaning up

**Methods for containment** Cover with absorbent or contain.

**Methods for cleaning up** Soak up with inert absorbent material. Dispose of contents/containers in accordance with local regulations.

## SECTION 7: Handling and storage

**Precautions for safe handling** Avoid prolonged contact with eyes, skin, and clothing. No known effects under normal use conditions.

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Wash hands thoroughly after handling. Use personal protection recommended in Section 8.

### Conditions for safe storage, including any incompatibilities

**Storage** Store in accordance with local regulations. Use appropriate containment to avoid environmental contamination.

## SECTION 8: Exposure Controls/Personal Protection.

### Exposure Guidelines

#### United States of America

Component name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium Hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>

#### Canada

Component name	British Columbia OEL	Quebec OEL	Ontario TWA
Sodium Hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	Ceiling: 2 mg/m <sup>3</sup>	CEV: 2 mg/m <sup>3</sup>

#### Mexico

Component	Carcinogenicity	Exposure Limits
Sodium Hydroxide 1310-73-2 ( 1 - 5 )	-	Mexico: Ceiling 2 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Controls** Provide adequate ventilation. Showers. Eyewash stations.

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

**Eye/face protection** Wear safety glasses with side shields (or goggles).  
**Skin and body protection** Wear suitable protective clothing.  
**Hand Protection** Wear protective gloves.  
**Respiratory protection** Not applicable

**Other Information**

**Environmental exposure controls** No information available.

## SECTION 9: Physical and chemical properties

**Information on basic physical and chemical properties**

<b>Physical State @20°C</b>	Liquid
<b>Color</b>	Colorless
<b>Odor</b>	No information available
<b>Odor threshold</b>	No information available

<u>Property</u>	<u>Values</u>
<b>pH</b>	~ 9.3
<b>Melting point/freezing point</b>	
<b>Boiling point / boiling range</b>	No information available
<b>Flash point</b>	
<b>Method</b>	No information available
<b>Evaporation rate</b>	No information available
<b>Flammability (solid, gas)</b>	No information available
<b>Flammability Limits in Air</b>	
<b>Upper flammability limits</b>	No information available
<b>Lower flammability limit</b>	No information available
<b>Vapor pressure</b>	No information available
<b>Vapor density</b>	No information available
<b>Relative density</b>	
<b>Specific Gravity</b>	1.0
<b>Water solubility</b>	No information available
<b>Solubility(ies)</b>	No information available
<b>Partition coefficient</b>	No information available
<b>Autoignition temperature</b>	No information available
<b>Decomposition temperature</b>	No information available
<b>Viscosity</b>	No information available
<b>Explosive properties</b>	No information available
<b>Oxidizing properties</b>	No information available

## SECTION 10: Stability and reactivity

<b>Reactivity</b>	None under normal use conditions.
<b>Stability</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions</b>	None under normal use conditions.
<b>Hazardous polymerization</b>	None under normal use conditions.
<b>Conditions to avoid</b>	None under normal use conditions.
<b>Incompatible materials</b>	None under normal use conditions.
<b>Hazardous Decomposition Products</b>	None under normal use conditions.
<b>Materials to avoid</b>	None under normal use conditions.

## SECTION 11: Toxicological information

**Information on likely routes of exposure**

<b>Product Information</b>	Product does not present an acute toxicity hazard based on known or supplied information.
<b>Inhalation</b>	None under normal use conditions.
<b>Eye contact</b>	None under normal use conditions.

## Buffer For Deactivation Fluid

**Skin Contact** None under normal use conditions.  
**Ingestion** None under normal use conditions.

Component name	LD50/oral/rat - (mg/kg)	LD50/dermal/rat - (mg/kg)	Inhalation LC50
Sodium Hydroxide 1310-73-2	= 325 mg/kg ( Rat )	= 1350 mg/kg ( Rabbit )	-

### Information on toxicological effects

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** No information available.  
**Serious eye damage/eye irritation** No information available.  
**Sensitization** No information available.  
**Germ cell mutagenicity** No information available.  
**Carcinogenicity** No information available.

Component name	ACGIH	IARC	NTP	OSHA
Sodium Hypochlorite 7681-52-9		Group 3		

**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

### Numerical measures of toxicity - Product Information

**Unknown Acute Toxicity** 7.42% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document .  
**ATEmix (oral)** 20247 mg/kg

## SECTION 12: Ecological information

### Ecotoxicity

20 - 50% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Component name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Sodium Bicarbonate 144-55-8		8250 - 9000: 96 h Lepomis macrochirus mg/L LC50 static		2350: 48 h Daphnia magna mg/L EC50

**Persistence and degradability** No information available.

**Bioaccumulation** No information available.

**Mobility** No information available.

**Other adverse effects** No information available.

## SECTION 13: Disposal Considerations.

### Waste treatment methods

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Waste from residues/unused products** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Disposal should be in accordance with applicable regional, national and local laws and

Buffer For Deactivation Fluid

regulations.

Component name	California Hazardous Waste Status
Sodium Hydroxide 1310-73-2	Toxic Corrosive

**SECTION 14: Transport information**

**DOT** Not regulated

**TDG** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**SECTION 15: Regulatory information**

**International Inventories**

Component name	TSCA	EINECS/ELINCS	DSL/NDSL	PICCS
Water 7732-18-5	Present	X	X	X
Sodium Bicarbonate 144-55-8	Present	X	X	X
Sodium Hydroxide 1310-73-2	Present	X	X	X
Sodium Hypochlorite 7681-52-9	Present	X	X	X

Component name	ENCS	IECSC	AICS	KECL
Water 7732-18-5	Present	X	X	Present
Sodium Bicarbonate 144-55-8	Present	X	X	Present
Sodium Hydroxide 1310-73-2	Present	X	X	Present
Sodium Hypochlorite 7681-52-9	Present	X	X	Present

Legend

X - Present

- Not Listed

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No

## Buffer For Deactivation Fluid

### Reactive Hazard

No

### CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

Component name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium Hydroxide 1310-73-2	1000 lb			X
Sodium Hypochlorite 7681-52-9	100 lb			X

### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

Component name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium Hydroxide 1310-73-2	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
Sodium Hypochlorite 7681-52-9	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

### US State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

#### U.S. State Right-to-Know Regulations

This product may contain substances regulated by state right-to-know regulations.

Component name	New Jersey	Massachusetts	Pennsylvania
Water 7732-18-5			X
Sodium Hydroxide 1310-73-2	X	X	X

#### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

#### International Regulations

##### Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

#### WHMIS Hazard Class

Non-controlled

##### Mexico

No information available

Component name	Carcinogenicity	Exposure Limits
Sodium Hydroxide	-	Mexico: Ceiling 2 mg/m <sup>3</sup>

## SECTION 16: Other information

Revision Date 27-Oct-2021

Version 7

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet