

Safety Data Sheet

Auto Detect 2

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

Product Identifier

Product Name Auto Detect 2

Recommended use of the chemical and restrictions on use

Specific use(s) Progensa PCA3 Assay

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).

| | |
|--|-------------------|
| Skin corrosion/irritation | Category 1 |
| Serious eye damage/eye irritation | Category 1 |

Emergency Overview

Label Elements



Signal word

Danger

Hazard Statements

H314 - Causes severe skin burns and eye damage

Precautionary Statements - Prevention

P260 - Do not breathe dust/fume/gas/mist/vapors/spray

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

P310 - Immediately call a POISON CENTER or doctor/physician

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P363 - Wash contaminated clothing before reuse

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P310 - Immediately call a POISON CENTER or doctor/physician

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage

P405 - Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)**Unknown Acute Toxicity**

6.04% 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 | 5 - 10 |

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.

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 ³ | TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³ | IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³ |

Canada

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

Mexico

| Component | Carcinogenicity | Exposure Limits |
|--|-----------------|-------------------------------------|
| Sodium Hydroxide 1310-73-2 (5 - 10) | - | Mexico: Ceiling 2 mg/m ³ |

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

| | |
|-----------------------------|--------------------------|
| Physical State @20°C | Liquid |
| Appearance | Liquid |
| Color | Colorless |
| Odor | No information available |
| Odor threshold | No information available |

| Property | Values |
|--------------------------------------|--------------------------|
| pH | ~ 14.0 |
| Melting point/freezing point | |
| Boiling point / boiling range | No information available |
| Flash point | |
| Method | No information available |
| Evaporation rate | No information available |
| Flammability (solid, gas) | No information available |
| Flammability Limits in Air | |
| Upper flammability limits | No information available |
| Lower flammability limit | No information available |
| Vapor pressure | No information available |
| Vapor density | No information available |
| Relative density | |
| Specific Gravity | 1.0 |
| Water solubility | No information available |
| Solubility(ies) | No information available |
| Partition coefficient | No information available |
| Autoignition temperature | No information available |
| Decomposition temperature | No information available |
| Viscosity | No information available |
| Explosive properties | No information available |
| Oxidizing properties | No information available |

SECTION 10: Stability and reactivity

| | |
|---|-----------------------------------|
| Reactivity | None under normal use conditions. |
| Stability | Stable under normal conditions. |
| Possibility of Hazardous Reactions | None under normal use conditions. |
| Hazardous polymerization | None under normal use conditions. |
| Conditions to avoid | None under normal use conditions. |
| Incompatible materials | None under normal use conditions. |
| Hazardous Decomposition Products | None under normal use conditions. |
| Materials to avoid | None under normal use conditions. |

SECTION 11: Toxicological information

Information on likely routes of exposure

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

| | |
|---------------------------------|---------------------------|
| 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 6.04% 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) | 5381 mg/kg |
| ATEmix (dermal) | 22351 mg/kg |

SECTION 12: Ecological information**Ecotoxicity**

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

| | |
|--------------------------------------|---------------------------|
| 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 This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

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 regulations.

Auto Detect 2

US EPA Waste Number D002

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

SECTION 14: Transport information

DOT Regulated

UN/ID no UN1824
Proper Shipping Name Sodium hydroxide solution
Hazard Class 8
Packing group II
Reportable Quantity (RQ) Sodium hydroxide: RQ kg= 7516.56
Description UN1824, Sodium hydroxide solution, 8, II, RQ
Emergency Response Guide Number 154

TDG Regulated

UN/ID no UN1824
Proper Shipping Name Sodium hydroxide solution
Hazard Class 8
Packing group II
Description UN1824, Sodium hydroxide solution, 8, II

IATA Regulated

UN/ID no UN1824
Proper Shipping Name Sodium hydroxide solution
Hazard Class 8
Packing group II
ERG Code 8L
Description UN1824, Sodium hydroxide solution, 8, II

IMDG Regulated

UN/ID no UN1824
Proper Shipping Name Sodium hydroxide solution
Hazard Class 8
Packing group II
EmS No. F-A, S-B
Description UN1824, Sodium hydroxide solution, 8, II

SECTION 15: Regulatory information

International Inventories

| Component name | TSCA | EINECS/ELINCS | DSL/NDL | PICCS |
|-------------------------------|---------|---------------|---------|-------|
| Water 7732-18-5 | Present | X | X | X |
| Sodium Hydroxide 1310-73-2 | Present | X | X | X |

| Component name | ENCS | IECSC | AICS | KECL |
|-------------------------------|---------|-------|------|---------|
| Water 7732-18-5 | Present | X | X | Present |
| Sodium Hydroxide 1310-73-2 | 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

Auto Detect 2

DSL/NDL - 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
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).

Table with 5 columns: Component name, CWA - Reportable Quantities, CWA - Toxic Pollutants, CWA - Priority Pollutants, CWA - Hazardous Substances. Row 1: Sodium Hydroxide 1310-73-2, 1000 lb, empty, empty, 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).

Table with 4 columns: Component name, Hazardous Substances RQs, CERCLA/SARA RQ, Reportable Quantity (RQ). Row 1: Sodium Hydroxide 1310-73-2, 1000 lb, empty, RQ 1000 lb final RQ, RQ 454 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.

Table with 4 columns: Component name, New Jersey, Massachusetts, Pennsylvania. Row 1: Water 7732-18-5, empty, empty, X. Row 2: 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

Table with 3 columns: Component name, Carcinogenicity, Exposure Limits

Auto Detect 2

| | | |
|------------------|---|-------------------------------------|
| Sodium Hydroxide | - | Mexico: Ceiling 2 mg/m ³ |
|------------------|---|-------------------------------------|

SECTION 16: Other information

Revision Date 24-Sep-2021

Version 2

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