



**Abbott**

**Release Date:** 11/25/24

<b>REF</b>	
<b>GTIN</b>	Product Name

<b>06P1265</b> <b>00380740118174</b>	<i>Alinity Pre-Trigger Solution</i>
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Components:

<b>06P12</b>	<b>Alinity Pre-Trigger Solution</b>
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Abbott Customers:

For additional information, please contact your Abbott Customer Support Center Representative by calling 1-800-527-1869, 1-800-323-9100, or 1-800-235-5396.

Abbott employees:

For additional information relative to the content of the SDSs, please contact your local Safety Representative.

# Safety Data Sheet

according to OSHA Hazard Communication standard 29CFR 1910.1200

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Last alteration on 11/22/2024

## 1 Identification

- **Product name:** Alinity Pre-Trigger Solution
- **ADD List number:** 06P12
- **Application of the substance / mixture:** For In Vitro Diagnostic Use
- **Manufacturer / Supplier:**  
Abbott Diagnostics  
100 Abbott Park Road  
Abbott Park, IL 60064-3500  
  
Phone: 1-877-4 ABBOTT
- **Department issuing SDS:** Abbott Diagnostics Environmental Health and Safety
- **Emergency telephone number**  
Contact the CHEMTREC® Emergency Call Center for assistance with transportation or hazardous materials emergencies (24 hours/day, 7 days/week). Refer to Abbott customer number 675805.  
Telephone (800) 424-9300 (toll-free) if you are calling from within the United States, Canada, Puerto Rico and the Virgin Islands.

## 2 Hazard(s) identification

- **Classification of the substance or mixture**  
The classification was made according to U.S. OSHA 29 CFR 1910.1200 and 1910.1030 and applicable European regulations, and is expanded upon from supplier company and/or literature data.  
Aquatic Acute 3 H402 Harmful to aquatic life.  
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- **Additional information:** Testing has been done to determine the hazards of this material.
- **Label elements**
- **GHS label elements:** The product is labelled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:** none
- **Signal word:** none
- **Hazard-determining components of labeling:**  
polyethylene glycol octylphenyl ether  
hydrogen peroxide
- **Hazard statements:**  
H412 Harmful to aquatic life with long lasting effects.
- **Precautionary statements:**  
P273 Avoid release to the environment.  
P501 Dispose of contents / container in accordance with local regulations.
- **Routes of Exposure:**
  - Skin: No adverse effects expected when used as directed.
  - Eye: No adverse effects expected when used as directed.
  - Inhalation: No adverse effects expected when used as directed.
  - Ingestion: No adverse effects expected when used as directed.

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## Product name: Alinity Pre-Trigger Solution

- **Health:** No adverse effects expected if used as directed.
- **Fire:** Noncombustible
- **Reactivity:** Minimal hazard - Stable, even in a fire. Not reactive with water. Not an oxidizer.
- **IARC (International Agency for Research on Cancer) Group 3**
- **Interpretation of the IARC listing**  
Group 3: The substance or mixture listed above is not classifiable as to carcinogenicity in humans. Evidence of carcinogenicity is inadequate in humans and inadequate or limited in experimental animals.

## 3 Composition/information on ingredients

- **Chemical characterization:** Mixture of chemical and/or biological substances for in vitro diagnostic use.

### Hazardous chemical ingredients per U.S. OSHA criteria (29 CFR 1910.1200 Hazard Communication):

CAS: 7722-84-1	hydrogen peroxide	1.3986%
CAS: 9002-93-1	polyethylene glycol octylphenyl ether	0.0268%

## 4 First-aid measures

- **After inhalation:** Remove from source of exposure. If irritation or signs of toxicity occur, seek medical attention.
- **After skin contact:**  
Take off any clothing that the product touched.  
Rinse skin with running water for 15 to 20 minutes. Seek medical attention if irritation or signs of toxicity occur.
- **After eye contact:**  
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists, get medical advice/attention. Wash hands after handling.
- **After swallowing:** Rinse mouth with water. If irritation or signs of toxicity occur, seek medical attention.
- **Most important symptoms and effects, both acute and delayed:**  
Cramps  
Gastric or intestinal disorders  
Nausea
- **Medical conditions aggravated by exposure:** Pre-existing gastrointestinal tract ailments

## 5 Fire-fighting measures

- **Suitable extinguishing agents**  
Dry chemical, carbon dioxide (CO<sub>2</sub>), water spray or regular foam.
  - Caution: CO<sub>2</sub> will displace air in confined spaces and may cause an oxygen-deficient atmosphere.
  - For larger fires: There are no unique chemical or reactivity hazards that would impact firefighting decisions related to this product. Use firefighting measures that suit the environment.
- **Special hazards arising from the substance or mixture**  
There are no unique chemical or reactivity hazards that would impact firefighting decisions due to the chemicals in this product.  
No further relevant information available.

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## Product name: Alinity Pre-Trigger Solution

### · **Protective equipment**

For large fires, wear appropriate heat- and flame-resistant personal protective equipment and a NFPA/NIOSH approved positive-pressure, self-contained breathing apparatus.

## 6 Accidental release measures

### · **Personal precautions, protective equipment and emergency procedures**

Minimize exposure by using appropriate personal protective equipment as listed in Section 8. Stop leak if possible. Keep unprotected persons away.

### · **Environmental precautions**

Prevent liquid and vapor from entering sewage system, storm drains, surface waters, and soil.

### · **Methods and material for containment and cleaning up**

Blot up small volumes of spilled or spattered product with paper towels or similar materials.

- Contain larger spills by placing absorbents around the outside edges of the spill. Absorb with any material suitable for water-based liquids - e.g. paper towels, universal sorbents, sand, diatomite, sawdust, etc.

Clean the affected area. Suitable cleaners are:

- warm water and detergent or similar cleansing agent

Dispose of spilled and contaminated material in accordance with Federal, State, and Local regulations. See Section 13 for information that may impact disposal of materials contaminated with this product.

### · **Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

### · **Precautions for safe handling:**

Avoid direct contact with material. If handled, wash thoroughly. Practice general safety precautions.

· **Information about protection against explosions and fires:** The product is not flammable.

· **Requirements to be met by storerooms and receptacles:** Store only in the original container.

· **Information about storage in one common storage facility:** Store in original packaging.

· **Further information about storage conditions:**

Refer to the package insert or product label for additional information on storage conditions for product quality.

## 8 Exposure controls/personal protection

### · **Components with Occupational Exposure Limits**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the remaining constituent has no known exposure limits.

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## Product name: Alinity Pre-Trigger Solution

### CAS: 7722-84-1 hydrogen peroxide (1.3986 %)

PEL	TWA: 1.4 mg/m <sup>3</sup> , 1 ppm
REL	TWA: 1.4 mg/m <sup>3</sup> , 1 ppm
TLV	TWA: 1 ppm A3

### CAS: 7697-37-2 nitric acid (0.0747 %)

PEL	TWA: 5 mg/m <sup>3</sup> , 2 ppm
REL	STEL/C: 10 mg/m <sup>3</sup> , 4 ppm TWA: 5 mg/m <sup>3</sup> , 2 ppm
TLV	STEL/C: (4) NIC-0.025 ppm TWA: (2) ppm NIC-A4

· **General protective and hygienic measures:**

Always maintain good housekeeping and follow general precautionary measures. Do not eat, drink or store food and beverages in areas where chemicals or specimens are used. Wash hands before breaks, after handling reagents and specimens, and at the end of the workshift.

· **Breathing equipment:**

Normal use and storage of product - respiratory protection is not necessary if room is well ventilated.

Small-volume spills (e.g. small enough to clean up with a paper towel or small sorbent pad) - respiratory protection should not be necessary if room is well ventilated.

Other unusual conditions (e.g. volume spilled too big to clean up with materials in arm's reach) - Use appropriate NIOSH-approved air-purifying respirator if airborne chemical concentrations may exceed the exposure limit (if any) listed above.

Hazardous Materials Emergencies or Firefighting - use NIOSH/NFPA-approved respiratory protection.

· **Hand protection:**

Wear impervious gloves if hand contact with the material is anticipated. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

· **Material of gloves and breakthrough time of the glove material:**

The glove material must be suitable for use in a microbiological laboratory and have a measured breakthrough time of at least 30 minutes, such as those with a Class 2 protection index per EN374 (or equivalent standard applicable in your region). NOTE: This recommendation applies only to the product stated in this Safety Data Sheet. When dissolving in or mixing with other substances, contact the supplier of approved gloves.

· **Eye protection:**

Wear safety glasses or other protective eyewear. If splash potential exists, wear full face shield or goggles.

· **Body protection:**

Normal use: protect personal clothing from spatters and small spills. Wear a laboratory coat (or other protective clothing required by your institution).

Larger spills (e.g. that can saturate cloth): wear appropriate water-repellant covering over clothing.



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**Product name: Alinity Pre-Trigger Solution**

## 9 Physical and chemical properties

· **General Information**

- **Color:** Colorless
- **Odor:** Odorless
- **Melting point/Melting range:** Not determined
- **Boiling point/Boiling range:** Not determined
- **Flammability (solid, gaseous)** Not applicable
- **Explosion limits**
- **Lower:** Not determined
- **Upper:** Not determined
- **Flash point** Not applicable
- **pH-value at 20 °C (68 °F)** 2.1
- **Dynamic:** Not determined
- **Solubility in / Miscibility with**
- **Water:** Fully miscible
- **Vapor pressure:**
- **Density at 20 °C (68 °F)** 1.003 g/cm<sup>3</sup> (8.37 lbs/gal)
- **Form:** Liquid
- **Auto igniting** Product is not self-igniting.
- **Danger of explosion** Product does not present an explosion hazard.
- **Water:** 98.4 %
- **Solids content:** 0.1 %
- **Evaporation rate:** Not determined

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided**  
No decomposition if used and stored according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD50/LC50 values for hazardous ingredients per OSHA criteria:**

· <b>Ingredients (100% pure substance/s):</b>		
<b>CAS: 7722-84-1 hydrogen peroxide</b>		
Oral	LD50	2,000 mg/kg (mouse)

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## Product name: Alinity Pre-Trigger Solution

Dermal	LD50	4,060 mg/kg (rat) LD50 = 4060 mg/kg in rats, LDLo = 500-2000 mg/kg in pigs and rabbits.
Inhalation	LC50 4 h	2 mg/l (rat) LC50 = 2 mg/l/4 hr in rats, LCLo = 227 ppm in mice. Reported to be very irritating to mucous membranes.
	Mutagenicity	(mammalian cells) Mutagenic effects have been reported in in vivo assays.
	Target Organ Effects	(mammal) In one study, inhalation exposure in dogs to 90% hydrogen peroxide vapors for 6 months at a concentration of 7 ppm produced skin irritation, sneezing, lacrimation, pulmonary irritation and bleaching of the hair. Maternal and fetal weight reduced in pregnant rats fed a diet containing 10% hydrogen peroxide during gestation. Hydrogen peroxide has produced mutagenic effects in in vitro assays.

**CAS: 9002-93-1 polyethylene glycol octylphenyl ether**

Oral	LD50	1,800 mg/kg (rat)
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- **Skin irritation:** Based on available data, the classification criteria are not met.
- **Eye irritation:** Based on available data, the classification criteria are not met.
- **Sensitization:** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **Specific target organ toxicity - single exposure** Based on available data, the classification criteria are not met.
- **Specific target organ toxicity - repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

· **Carcinogenic categories**

· <b>IARC (International Agency for Research on Cancer)</b>		
CAS: 7722-84-1	hydrogen peroxide	3

· <b>NTP (National Toxicology Program)</b>		
None of the ingredients is listed.		

· <b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>		
None of the ingredients is listed.		

· **Target organs/systems:**

- Gastrointestinal tract
- Reproductive system
- DNA

## 12 Ecological information

- **Aquatic toxicity:** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable
- **vPvB:** Not applicable



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## Product name: Alinity Pre-Trigger Solution

- **Additional ecological information**
- **General notes:**  
Do not allow product to reach ground water, water course, or sewage system.  
Harmful to aquatic organisms.

## 13 Disposal considerations

- **Recommendation for disposal of unused product:** Dispose in accordance with federal, state and local regulations.
- **Recommendation for disposal of packaging:**  
Non-contaminated packaging may be used for recycling. Refer to applicable local regulations and institutional policies.  
For disposal of contaminated packaging, refer to applicable local regulations and institutional policies.
- **Recommended cleansing agent:** Water with cleansing agents, if necessary.

## 14 Transport information

· DOT, ADN, IMDG, IATA none

· **UN proper shipping name**  
· DOT, ADR, ADN, IMDG, IATA none

· **Transport hazard class(es)**  
· DOT, ADR, ADN, IMDG, IATA  
· Class none  
· DOT, IMDG, IATA none

· **Environmental hazards**  
· **Marine pollutant:** No

· **Additional information**

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· DOT  
· **Remarks:** Not restricted for transportation.  
· IMDG  
· **Remarks:** Not restricted for transportation.  
· IATA  
· **Remarks:** Not restricted for transportation.

## 15 Regulatory information

· **SARA (Superfund Amendments and Reauthorization Act of 1986 - USA):**

· **Section 302/304 (40CFR355.30 / 40CFR355.40):**

CAS: 7722-84-1	hydrogen peroxide
CAS: 7697-37-2	nitric acid

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## Product name: Alinity Pre-Trigger Solution

· **Section 313 (40CFR372.65):**

CAS: 7697-37-2 nitric acid

· **Hazardous Air Pollutants**

None of the ingredients is listed.

· **California Proposition 65 (USA):**

· **Chemicals known to cause cancer:**

The product does not contain listed substances.

· **Chemicals known to cause female reproductive toxicity:**

None of the ingredients is listed.

· **Chemicals known to cause male reproductive toxicity:**

None of the ingredients is listed.

· **Chemicals known to cause developmental reproductive toxicity:**

None of the ingredients is listed.

## 16 Other information

The information and recommendations contained herein are based upon information or tests believed to be reliable. Abbott Laboratories does not guarantee the accuracy or completeness of this information or recommendations contained herein, NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE.

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The information in this Safety Data Sheet (SDS) reflects the most current hazard information for this product.

· **Department issuing SDS**

- Abbott Diagnostics Safety, Health and Environmental Assurance  
Department 0571

· **Contact**

- General information about this product:  
Abbott Diagnostics  
Technical Support  
100 Abbott Park Road  
Abbott Park, IL 60064-3500

Phone: 1-877-4 ABBOTT

· **Date of preparation / last revision** 11/25/2024 / 10



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### Product name: Alinity Pre-Trigger Solution

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (Division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: persistent, bioaccumulative and toxic

vPvB: very persistent and very bioaccumulative

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· **\* Sections marked with an asterisk (\*) have been altered since the previous version.**