



Abbott

Release Date: 5/16/22

REF	Product Name
GTIN	

06P1270	<i>Alinity Pre-Trigger Solution</i>
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Components:

06P12/70	Alinity Pre-Trigger Solution
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Safety Data Sheet

according to 1907/2006/EC, Article 31

© Abbott Laboratories Release date 16.05.2022

Version number 26

Last alteration on 16.05.2022

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

1.1 Product identifier

· Trade name: **Alinity Pre-Trigger Solution**

· Article number: 06P12/70

1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

· Product category PC0 Other

· Application of the substance / the preparation: For In Vitro Diagnostic Use

1.3 Details of the supplier of the safety data sheet

· Supplier:

Abbott GmbH
Max-Planck-Ring 2
65205 Wiesbaden
Tel.: (+49)-6122-58-0

MSDS-Support@Abbott.com

1.4 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.

- Telephone +1 (703) 527-3887, the international and maritime number (collect calls accepted), if you are calling from outside the United States or from a ship at sea.
(+49)-6122-58-0 (English only)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The classification is in alignment with current European regulations. It incorporates information from technical literature and information provided by supplier companies.

· Classification according to Regulation (EC) No 1272/2008:

This product has been evaluated per the classification criteria in Regulation (EC) No 1272/2008 (CLP) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). This product does not meet the criteria for classification in accordance with either CLP or GHS.

· Additional information: Testing has been done on a similar material to determine the hazards.

2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008: None

· Hazard pictograms: None

· Signal word: None

· Hazard statements: None

· 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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2.3 Other hazards

Results of PBT and vPvB assessment:

- **PBT:** Not applicable
- **vPvB:** Not applicable

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Dangerous components according to EC criteria:

CAS: 7722-84-1	hydrogen peroxide	1.26%
EINECS: 231-765-0	Ox. Liq. 1, H271; Skin Corr. 1A, H314; Acute Tox. 4, H302; Acute Tox. 4, H332	

Additional information:

For the complete text of Hazard (H) codes displayed in this section, refer to Section 16.

SECTION 4: First aid measures

4.1 Description of 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.

4.2 Most important symptoms and effects, both acute and delayed:

Cramps
Gastric or intestinal disorders
Nausea

4.3 Indication of any immediate medical attention and special treatment needed:

No additional relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

- Dry chemical, carbon dioxide (CO₂), water spray or regular foam.
- Caution: CO₂ 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.

5.2 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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· 5.3 Advice for firefighters

· Protective equipment:

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

SECTION 6: Accidental release measures

· 6.1 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.

· 6.2 Environmental precautions

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

· 6.3 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.

· 6.4 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.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling:

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

· **Information about protection against explosions and fires:** No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· **Requirements to be met by storerooms and containers:** 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.

· **7.3 Specific end use(s):** No additional relevant information available.

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

· **Components with limit values that require monitoring at the workplace:**

CAS: 7722-84-1 hydrogen peroxide (1.26 %)

WEL (Great Britain)	Short-term value: 2.8 mg/m ³ , 2 ppm Long-term value: 1.4 mg/m ³ , 1 ppm
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CAS: 7697-37-2 nitric acid (0.08 %)

IOELV (European Union)	Short-term value: 2.6 mg/m ³ , 1 ppm
WEL (Great Britain)	Short-term value: 2.6 mg/m ³ , 1 ppm

8.2 Exposure controls

· **Personal protective equipment:**

· **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 air-purifying respirator if airborne chemical concentrations may exceed the exposure limit (if any) listed above.

Hazardous Materials Emergencies or Firefighting - use approved respiratory protection.

Take precautions if chemical concentrations exceed the exposure limits (if any) listed above.

· **Protection of hands:**

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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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance:

· **Form:** Liquid
· **Colour:** Colourless

· **Odour:** Odourless
· **Odour threshold:** Not determined

· **pH-value at 20 °C:** 2.1
· **Melting point/freezing point:** Not determined
· **Initial boiling point and boiling range:** Not determined

· **Flash point:** Not applicable
· **Inflammability (solid, gaseous):** Not applicable
· **Auto igniting** Product is not self-igniting.

· **Explosive properties:** Product does not present an explosion hazard.
· **Lower:** Not determined
· **Upper:** Not determined
· **Vapour pressure:** Not determined

· **Density at 20 °C** 1.001 g/cm³
· **Relative density:** Not determined
· **Evaporation rate:** Not determined

· **Solubility in / Miscibility with**
· **Water:** Fully miscible
· **dynamic:** Not determined

· **Water:** 98.6 %
· **Solids content:** 0.1 %

9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.

10.2 Chemical stability:

· **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.

· **10.3 Possibility of hazardous reactions:** No dangerous reactions known.

· **10.4 Conditions to avoid:** No further relevant information available.

· **10.5 Incompatible materials:** No further relevant information available.

· **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values that are relevant for classification:**

· **Ingredients (100% pure substance/s):**

CAS: 7722-84-1 hydrogen peroxide

Oral	LD50	2,000 mg/kg (mouse)
Dermal	LD50	4,060 mg/kg (rat)
Inhalation	LC50 4 h	LD50 = 4060 mg/kg in rats, LDLo = 500-2000 mg/kg in pigs and rabbits. 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.

· **Primary irritant effect:**

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

· **Sensitisation:** Based on available data, the classification criteria are not met.

· **Additional toxicological information:** None

· **Target organs/systems:**

Gastrointestinal tract

Reproductive system

DNA

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

· **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.

· **STOT-single exposure** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure** Based on available data, the classification criteria are not met.

· **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity

· **Aquatic toxicity:** No further relevant information available.

· **12.2 Persistence and degradability:** No further relevant information available.

· **12.3 Bioaccumulative potential:** No further relevant information available.

· **12.4 Mobility in soil:** No further relevant information available.

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· **General notes:** Generally not hazardous for water.

· 12.5 Results of PBT and vPvB assessment

- **PBT:** Not applicable
- **vPvB:** Not applicable

· **12.6 Other adverse effects:** No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

There are no uniform EU regulations for the disposal of laboratory waste. In general, laboratory waste is under special supervision of the authorities.

· **Recommendation for disposal of unused product:**

Dispose in accordance with national, state and local regulations.

· **European waste catalogue:**

HP4 | Irritant - skin irritation and eye damage

· **The following waste disposal key numbers are possible:**

18 01 07: chemicals other than those mentioned in 18 01 06

· **Uncleaned packagings**

For disposal of contaminated packaging, refer to applicable local regulations and institutional policies.

· **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 cleaning agent:** Water with cleansing agents, if necessary.

SECTION 14: Transport information

· 14.1 UN-Number

· **ADR, ADN, IMDG, IATA** None

· 14.2 UN proper shipping name

· **ADR, ADN, IMDG, IATA** None

· 14.3 Transport hazard class(es)

· **ADR, ADN, IMDG, IATA**

· **Class** None

· 14.4 Packing group

· **ADR, IMDG, IATA** None

· 14.5 Environmental hazards

· **Marine pollutant:** No

· **14.6 Special precautions for user** Not applicable

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14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Transport/Additional information

ADR

Remarks:

Not restricted for transportation.

IMDG

Remarks:

Not restricted for transportation.

IATA

Remarks:

Not restricted for transportation.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

15.2 Chemical safety assessment A Chemical Safety Assessment has not been carried out.

SECTION 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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Complete text for H (Hazard) codes displayed in Section 3:

Note: The respective H statements apply to the pure substances.

H271 May cause fire or explosion; strong oxidiser.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H332 Harmful if inhaled.

Contact supplier

Environmental Affairs & Product Safety

Tel.: +49 (0) 6122 58 0

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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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

Ox. Liq. 1: Oxidizing liquids – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

· * Data compared to the previous version altered.

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