



Release Date: 5/25/18

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

<b>06P1160</b> <b>00380740118167</b>	<b><i>Alinity Trigger Solution</i></b>
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Components:

<b>06P11</b>	<b>Alinity 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.



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# Safety Data Sheet

Last alteration on 05/25/2018

## 1 Identification

· **Product name:** Alinity Trigger Solution

· **ADD List number:** 06P11

· **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.

- 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.

## 2 Hazard(s) identification

· **Classification of the substance or mixture**

Met. Corr.1 H290 May be corrosive to metals.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

· **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:**



· **Signal word:** Danger

· **Hazard-determining components of labeling:**

Sodium hydroxide

· **Hazard statements:**

H290 May be corrosive to metals.

H315 Causes skin irritation.

H318 Causes serious eye damage.

· **Precautionary statements:**

P234 Keep only in original container.

P264 Wash hands thoroughly after handling.



## Product name: Alinity Trigger Solution

- P280 Wear protective gloves/protective clothing/eye protection.
- P302+P352 If on skin: Wash with plenty of water.
- 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/doctor.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P390 Absorb spillage to prevent material damage.

· **Routes of Exposure:**

- Skin
- Eye

· **Hazard Overview**

· **Health:**

- May cause irreversible eye damage.
- Causes skin irritation

· **Fire:** Noncombustible

· **Reactivity:** Minimal hazard - Stable, even in a fire. Not reactive with water. Not an oxidizer.

## 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: 9002-93-1	polyethylene glycol octylphenyl ether	1.984%
CAS: 1310-73-2	Sodium hydroxide	1.39%

## 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:**

Symptoms (such as pain) may be delayed and lead to underestimating the possible damage. Provide medical observation for at least 48 hours after exposure.

· **After swallowing:** Rinse mouth with water. If irritation or signs of toxicity occur, seek medical attention.

· **Information for Medical Personnel**

· **Most important symptoms and effects, both acute and delayed:**

- Cramps
- Gastric or intestinal disorders
- Nausea
- Skin irritation
- Irreversible eye damage
- Respiratory irritation



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# Safety Data Sheet

Last alteration on 05/25/2018

## Product name: Alinity Trigger Solution

### · **Medical conditions aggravated by exposure:**

- Pre-existing eye ailments
- Pre-existing respiratory ailments
- Pre-existing gastrointestinal tract ailments
- Pre-existing skin 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.

### · **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.



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# Safety Data Sheet

Last alteration on 05/25/2018

**Product name:** Alinity Trigger Solution

## 7 Handling and storage

- **Precautions for safe handling:**  
Avoid contact with skin.  
Avoid contact with eyes.
- **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.  
Refer to the package insert or product label for additional information on storage conditions for product quality.
- **Information about storage in one common storage facility:** Store in original packaging.
- **Further information about storage conditions:** Protect from heat and direct sunlight.

## 8 Exposure controls/personal protection

### · Components with Occupational Exposure Limits

The product does not contain any hazardous ingredients with occupational exposure limits established by OSHA, ACGIH, or NIOSH.

#### · **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.

Avoid contact with the skin.  
Avoid contact with the eyes.

#### · **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.



## Product name: Alinity Trigger Solution

- **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 splatters 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.

## 9 Physical and chemical properties

· <b>General Information</b>	
· <b>Form:</b>	Liquid
· <b>Color:</b>	Colorless
· <b>Odor:</b>	Odorless
· <b>pH-value at 20 °C (68 °F)</b>	13
· <b>Melting point/Melting range:</b>	Not determined
· <b>Boiling point/Boiling range:</b>	Not determined
· <b>Flash point</b>	Not applicable
· <b>Flammability (solid, gaseous)</b>	Not applicable
· <b>Auto igniting</b>	Product is not self-igniting.
· <b>Danger of explosion</b>	Product does not present an explosion hazard.
· <b>Explosion limits</b>	
· <b>Lower:</b>	Not determined
· <b>Upper:</b>	Not determined
· <b>Density at 20 °C (68 °F)</b>	1.008 g/cm <sup>3</sup> (8.4118 lbs/gal)
· <b>Evaporation rate:</b>	Not determined
· <b>Solubility in / Miscibility with</b>	
· <b>Water:</b>	Fully miscible
· <b>Dynamic:</b>	Not determined
· <b>Water:</b>	96.6 %
· <b>Solids content:</b>	0.0 %

## 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.
- **Incompatible materials:** No further relevant information available.



## Product name: Alinity Trigger Solution

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

## 11 Toxicological information

### · Acute toxicity

· **LD50/LC50 values for hazardous ingredients per OSHA criteria:**

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

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

Oral LD50 1,800 mg/kg (rat)

**CAS: 1310-73-2 Sodium hydroxide**

Oral LD50 2,000 mg/kg (rat)

LDLo 500 mg/kg (rabbit)

Dermal LD50 1,350 mg/kg (rabbit)

· **Primary toxicological effects of the final product:**

· **Skin irritation:** Irritating to skin and mucous membranes.

· **Eye irritation:** Causes severe burns. Effects may be delayed.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:** None

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

· **Target organs/systems:**

Eye

Respiratory tract

Gastrointestinal tract

Skin

## 12 Ecological information

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

· **Additional ecological information**

· **General notes:**

Rinse off of large volumes into drains or the aquatic environment may lead to increased pH values. A high pH value harms aquatic organisms.

Do not allow undiluted product or large quantities of it to reach ground water, water course, or sewage system.



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Last alteration on 05/25/2018

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· **Results of PBT and vPvB assessment**

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

## 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, IMDG, IATA** UN1824

· **UN proper shipping name**

- **DOT, ADR** Sodium hydroxide solution
- **IMDG, IATA** SODIUM HYDROXIDE SOLUTION

· **Transport hazard class(es)**

· **DOT**



- **Class** 8 Corrosive substances
- **Label** 8
- **Class** 8 Corrosive substances
- **Label** 8
- **IMDG, IATA**



- **Class** 8 Corrosive substances
- **DOT, IMDG, IATA** III

· **Environmental hazards**

- **Marine pollutant:** No
- **EMS Number:** F-A,S-B
- **Segregation groups** Alkalis
- **Stowage Category** A



# Safety Data Sheet

## Product name: Alinity Trigger Solution

· **Segregation Code** SG35 Stow "separated from" acids.

· **Additional information** The information in this section reflects the actual chemical name and transport information for the material. Due to legal exceptions that are permitted by transport regulations, the proper shipping name and transport information included on the actual shipping document may differ. When this product is shipped as a component of an in vitro diagnostic medical device, exceptions that may be used include, but are not limited to, the following:  
- Chemical Kit  
- Excepted Quantity  
- Consumer Commodity

· **ADR**

· **Excepted quantities (EQ)** Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml

· **IMDG**

· **Limited quantities (LQ)** 5L  
· **Excepted quantities (EQ)** Code: E1  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 1000 ml

## 15 Regulatory information

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

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

The product does not contain listed substances.

· **Section 313 (40CFR372.65):**

The product does not contain listed substances.

· **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

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# Safety Data Sheet

Last alteration on 05/25/2018

## Product name: Alinity Trigger Solution

This information is not a substitute for the advice of a health care professional, nor is it a recommendation for any particular course of treatment. It is not intended to supplement, modify or supersede any information (e.g. labeling and package inserts) provided with respect to the medical use of the product. Abbott Laboratories assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

### 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** 05/25/2018 / 4

### 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  
Met. Corr. 1: Corrosive to metals – Category 1  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1

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