



Abbott

Release Date: 8/22/24

REF	
GTIN	Product Name

6C55-63	<i>ARCHITECT Trigger Solution</i>
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Components:

6C55/63 6C55/83 6C55/85	ARCHITECT Trigger Solution
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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 08/22/2024

1 Identification

- **Product name:** ARCHITECT Trigger Solution
- **ADD List number:**
6C55/63
6C55/83
6C55/85
- **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.
Corrosive to Metals 1 H290 May be corrosive to metals.
Skin Irritation 2 H315 Causes skin irritation.
Eye Damage 1 H318 Causes serious eye damage.
Aquatic Acute 3 H402 Harmful to aquatic life.
- **Additional information:** Testing has been done on a similar material to determine the hazards.
- **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:**
Alcohols, C11-15-secondary, ethoxylated
Sodium hydroxide



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Product name: ARCHITECT Trigger Solution

· Hazard statements:

- H290 May be corrosive to metals.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H402 Harmful to aquatic life.

· Precautionary statements:

- None
- P234 Keep only in original container.
- P264 Wash hands thoroughly after handling.
- P273 Avoid release to the environment.
- P280 Wear protective gloves/protective clothing/eye protection/face 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 or doctor/physician.
- 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.
- P501 Dispose of contents / container in accordance with local regulations.

· Routes of Exposure:

- Skin
- Eye

· 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: 68131-40-8	Alcohols, C11-15-secondary, ethoxylated	2.70%
CAS: 1310-73-2	Sodium hydroxide	1.40%

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.



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· 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.

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

Cramps

Gastric or intestinal disorders

Nausea

Skin irritation

Irreversible eye damage

Respiratory irritation

· **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 (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.

· **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.

· **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 absorbants 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.



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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 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.

· **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 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.



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· **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.

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
- **Lower:** 0.0 Vol %
- **Upper:** 0.0 Vol %
- **Flash point** Not applicable
- **pH-value at 20 °C (68 °F)** 13
- **Dynamic:** Not determined
- **Solubility in / Miscibility with**
- **Water:** Fully miscible
- **Vapor pressure:**
- **Density at 20 °C (68 °F)** 1.01 g/cm³ (8.4285 lbs/gal)
- **Form:** Liquid
- **Auto igniting** Product is not self-igniting.
- **Danger of explosion** Product does not present an explosion hazard.
- **Water:** 95.9 %
- **Solids content:** 0.0 %
- **Evaporation rate:** Not determined

10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided**

No decomposition if used and stored according to specifications.



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- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** 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:**

Ingredients (100% pure substance/s):		
CAS: 68131-40-8 Alcohols, C11-15-secondary, ethoxylated		
Oral	LD50	>412 mg/kg (rat)
Dermal	LD50	>14,000 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)

- **Skin irritation:** Causes skin irritation.
- **Eye irritation:** Causes serious eye damage.
- **Aspiration hazard**
- **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:
CAS: 68131-40-8 Alcohols, C11-15-secondary, ethoxylated
LC50 96 h 3.2-3.6 mg/l (minnow)

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Results of PBT and vPvB assessment

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

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.

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, IMDG, IATA** UN1824

UN proper shipping name

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

Transport hazard class(es)

- **DOT**



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



- **Class** 8 Corrosive substances
- **Label** 8



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Product name: ARCHITECT Trigger Solution

· DOT, IMDG, IATA III

· Environmental hazards

- Marine pollutant: No
- Special marking (IATA):
- EMS Number: F-A,S-B
- Segregation groups (SGG18) Alkalis
- Stowage Category A
- Segregation Code SG35 Stow "separated from" SGG1-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 - UN3316, class 9
- Excepted Quantity
- Consumer Commodity

- DOT
- **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.

· 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.

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· **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.

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.

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 08/22/2024 / 100**

· **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 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



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Product name: ARCHITECT Trigger Solution

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Corrosive to Metals 1: Corrosive to metals – Category 1

Skin Irritation 2: Skin corrosion/irritation – Category 2

Eye Damage 1: Serious eye damage/eye irritation – Category 1

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

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

USA