



Abbott

Release Date: 12/9/16

REF	
GTIN	Product Name

9D29-21 00380740094270	<i>CLINICAL CHEMISTRY Water Bath Additive</i>
---	--

Components:

9D29	CLINICAL CHEMISTRY Water Bath Additive
-------------	---

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.



1 Identification

· **Product name:** CLINICAL CHEMISTRY Water Bath Additive

· **ADD List number:** 9D29

· **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**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2A H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

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:**

This product is subject to FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) requirements and therefore it is labelled accordingly. See Section 15 for FIFRA labeling requirements. The classification and labeling requirements per GHS are only present in the SDS.

The product is labelled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



· **Signal word:** Warning

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

5-Chloro-2-methyl-4-isothiazolin-3-one

2-Methyl-4-isothiazolin-3-one



Product name: CLINICAL CHEMISTRY Water Bath Additive

· **Hazard statements:**

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H317 May cause an allergic skin reaction.
- H412 Harmful to aquatic life with long lasting effects.

· **Precautionary statements:**

- P261 Avoid breathing mist / vapors / spray.
- P280 Wear protective gloves/protective clothing/eye protection.
- P273 Avoid release to the environment.
- P264 Wash hands thoroughly after handling.
- P272 Contaminated work clothing should not be allowed out of the workplace.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362 Take off contaminated clothing.
- P501 Dispose of contents / container in accordance with local regulations.

· **Additional information:**

This product is subject to FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) requirements and therefore it is labelled accordingly. Refer to Section 15 for FIFRA labeling requirements.

· **Routes of Exposure:**

- Skin
- Eye

· **Hazard Overview**

· **Health:**

- Sensitizer in contact with skin
- Causes skin irritation
- Causes eye irritation

· **Fire:** Noncombustible

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

· **Other hazards** This product may cause skin sensitization (allergic reactions) in some people.

3 Composition/information on ingredients

· **Chemical characterization:** Mixture of chemical and/or biological substances for Laboratory Use Only.

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

CAS: 13446-18-9	Magnesium Nitrate Hexahydrate	6.08%
CAS: 26172-55-4	5-Chloro-2-methyl-4-isothiazolin-3-one	0.2111%
CAS: 2682-20-4	2-Methyl-4-isothiazolin-3-one	0.0751%

4 First-aid measures

· **General information:** Immediately remove any clothing soiled by the product.



Safety Data Sheet

Product name: CLINICAL CHEMISTRY Water Bath Additive

- **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.
- **Information for Medical Personnel**
 - **Most important symptoms and effects, both acute and delayed:**
Allergic reactions
Skin irritation
Eye irritation
Possibly immune response
This product may cause skin sensitization reactions in some people. See Section 11 for additional information.
 - **Medical conditions aggravated by exposure:**
Pre-existing eye ailments
Pre-existing skin ailments
Skin allergies

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.
- **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.



Safety Data Sheet

Product name: CLINICAL CHEMISTRY Water Bath Additive

· **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.

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.

Do not discharge to storm drains or sewage system.

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

· **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:**

Keep containers tightly sealed.

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.



Product name: CLINICAL CHEMISTRY Water Bath Additive

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 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

• **General Information**

• **Form:** Liquid
• **Color:** Colorless

• **Odor:** Odorless

• **pH-value at 20 °C (68 °F)** 3.5
• **Melting point/Melting range:** Not determined
• **Boiling point/Boiling range:** Not determined

• **Flash point** Not applicable
• **Flammability (solid, gaseous)** Not applicable
• **Auto igniting** Product is not self-igniting.

• **Danger of explosion** Product does not present an explosion hazard.

• **Explosion limits**
• **Lower:** Not determined
• **Upper:** Not determined

• **Density at 20 °C (68 °F)** 1.025 g/cm³ (8.554 lbs/gal)
• **Evaporation rate:** Not determined

• **Solubility in / Miscibility with**
• **Water:** Fully miscible



Product name: CLINICAL CHEMISTRY Water Bath Additive

· Dynamic:	Not determined
· Water:	93.1 %

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.
- **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: 13446-18-9 Magnesium Nitrate Hexahydrate		
	Target Organ Effects	(human) By analogy to other magnesium salts, a mild irritant to eyes and nasal mucosa.
CAS: 26172-55-4 5-Chloro-2-methyl-4-isothiazolin-3-one		
Oral	LD50	60 mg/kg (mouse) 53 mg/kg (rat)
Dermal	LD50	> 1008 mg/kg (rat) (IUCLID Dataset)
Inhalation	LC50 4 h	1.23 mg/l (rat) (IUCLID Dataset)
	Mutagenicity	Positive (Ames Assay) (IUCLID Dataset)
	Target Organ Effects	Corrosive-skin (rabbit) (IUCLID Dataset)
CAS: 2682-20-4 2-Methyl-4-isothiazolin-3-one		
Oral	LD50	60 mg/kg (mouse) By analogy to methylchlorisothiazolinone. 53 mg/kg (rat) By analogy to methylchlorisothiazolinone.

- **Primary toxicological effects of the final product:**
 - **Skin irritation:** Irritating to skin and mucous membranes.
 - **Eye irritation:** Irritating.



Product name: CLINICAL CHEMISTRY Water Bath Additive

· **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
- Skin
- Immune system

12 Ecological information

· **Aquatic toxicity:**

CAS: 26172-55-4 5-Chloro-2-methyl-4-isothiazolin-3-one

LC50 96 h	1.5 mg/l (other) (IUCLID Dataset) Species = Oncorhynchus mykiss (a freshwater fish)
LC50 48 h	4.71 mg/l (daphnia) (IUCLID Dataset) Value is actually an EC50, but variable is not available in database at this time.

CAS: 2682-20-4 2-Methyl-4-isothiazolin-3-one

LC50 96 h	0.19 mg/l (trout) (Flow through)
LC50 48 h (Static)	0.056 mg/l (other) (Crustacean - Acartia tonsa)

· **Additional ecological information**

· **General notes:**

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

· **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.



Product name: CLINICAL CHEMISTRY Water Bath Additive

- **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**

Testing has been performed to determine the proper shipping classification for this product. The material was non-corrosive to skin and non-corrosive to steel and aluminum.

- **DOT**

- **Remarks:** Not restricted for transportation.

- **ADR**

- **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):**

The product does not contain listed substances.

- **Section 313 (40CFR372.65):**

CAS: 13446-18-9 Magnesium Nitrate Hexahydrate

CAS: 10031-43-3 Copper (II) Nitrate Trihydrate

- **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.



Safety Data Sheet

Product name: CLINICAL CHEMISTRY Water Bath Additive

· **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.

· **EPA (Environmental Protection Agency - USA):**

This product is subject to FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) requirements. EPA registration number: 275-139

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION

Causes substantial but temporary eye injury and skin irritation.
Harmful if swallowed or inhaled.

This chemical is toxic to terrestrial and aquatic plants, fish and aquatic invertebrates.

· **Labelling according to Directives 67/548/EEC or 1999/45/EC**

· **Hazard designation of product:**



Irritant

· **Hazard determining substance/s of labeling:**

5-Chloro-2-methyl-4-isothiazolin-3-one

2-Methyl-4-isothiazolin-3-one

· **Risk phrases:**

36/38 Irritating to eyes and skin.

43 May cause sensitization by skin contact.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

· **Safety phrases:**

24/25 Avoid contact with skin and eyes.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

27/28 After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.

37 Wear suitable gloves.

60 This material and its container must be disposed of as hazardous waste.

61 Avoid release to the environment. Refer to special instructions/Safety data sheets

62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

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.



Abbott

© Abbott Laboratories Release date 12/09/2016

Page 10/10

Safety Data Sheet

Last alteration on 12/09/2016

Product name: **CLINICAL CHEMISTRY Water Bath Additive**

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** 12/09/2016 / 33

· **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
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Skin Irrit. 2: Skin corrosion/irritation ☐ Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation ☐ Category 2A
Skin Sens. 1: Skin sensitisation ☐ Category 1
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.**

USA