1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING:

Product Identifier

Product Name
Alkalinity Standard Solution

Product Number(s)
700012

Pure substance/mixture
Mixture

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

Recommended Use
Use as laboratory reagent

Uses advised against
No Information available

Manufacturer/Supplier
Thermo Fisher Scientific®
Water and Lab Products
22 Alpha Road
Chelmsford, MA 01824, USA
1-978-232-6000

E-mail address
info.water@thermo.com

Made in
USA

Emergency Telephone
24 Hour Emergency Phone Number
CHEMTREC®
Within USA and Canada: 1-800-424-0300
Outside USA and Canada: 1-703-527-3887
(collect calls accepted)
2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status
This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label Elements

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Clear  Physical State Liquid  Odor No information available

Safety data sheet available on request

Precautionary Statements
Do not handle until all safety information has been read and understood.

Hazards not otherwise classified (HNOC)
No information available

Other Information
No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

First aid measures

General Advice
Use first aid treatment according to the nature of the injury. Get medical attention immediately if symptoms occur. Show this safety data sheet to the doctor in attendance.

Eye Contact
Rinse thoroughly with plenty of water, also under the eyelids. Obtain medical attention.

Skin Contact
Wash off immediately with soap and plenty of water for at least 15 minutes while removing all contaminated clothing and shoes. If skin reactions occur, contact a physician.

Inhalation
Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, obtain medical attention.

Ingestion
Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Call a physician or Poison Control Center immediately.

Protection of First-aiders
Use personal protective equipment. See Section 8 for more detail. Do not use
mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

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

**Most important symptoms/effects**  
No information available

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician**  
Treat symptomatically

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media**
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media**
No information available

**Specific Hazards Arising from the Chemical**
No information available

**Explosion Data**
- Sensitivity to Mechanical Impact: None
- Sensitivity to Static Discharge: None

**Protective Equipment and Precautions for Firefighters**
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures**

**Personal Precautions**
Use personal protective equipment. Refer to Section 8. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

**Environmental Precautions**

**Methods and Material for Containment and Cleaning Up**

**Methods for Containment**
 Prevent further leakage or spillage if safe to do so.

**Methods for Cleaning Up**
 Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

### 7. HANDLING AND STORAGE

**Precautions for Safe Handling**

**Handling**
To avoid risks to human health and the environment, comply with the instructions for use
- Wear personal protective equipment
- Avoid breathing dust/fume/gas/mist/vapours/spray
- Ensure adequate ventilation, especially in confined areas

**Conditions for Safe Storage, Including any Incompatibilities**

**Storage**
- Keep container tightly closed in a dry and well-ventilated place
- Store at room temperature in the original container
- Keep away from direct sunlight

**Incompatible Products**
No information available
3. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines  This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering Measures  Showers
                      Eyewash stations
                      Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face Protection  Wear chemical splash goggles. If splashes are likely to occur, wear: Face-shield.

Skin and Body Protection  Wear protective gloves/clothing.

Respiratory Protection  None required under normal usage. In case of inadequate ventilation wear respiratory protection.

Hygiene Measures  Handle in accordance with good industrial hygiene and safety practice.

3. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State  Liquid
Appearance  Clear
Odor  No information available
Odor Threshold  No information available
pH Range  5.5 - 8.5

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</tr>
<tr>
<td>Boiling Point/Range</td>
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<td>Flash Point (High in °C)</td>
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<tr>
<td>Evaporation Rate</td>
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<tr>
<td>Flammability (solid, gas)</td>
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<tr>
<td>Flammability Limit in Air</td>
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<tr>
<td>Lower flammability limit:</td>
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<td></td>
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<tr>
<td>Vapor pressure</td>
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<tr>
<td>Specific Gravity</td>
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<tr>
<td>Water Solubility</td>
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<td>Solubility in other solvents</td>
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<td>Partition coefficient</td>
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<td>Autoignition Temperature</td>
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<tr>
<td>Decomposition Temperature</td>
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<tr>
<td>Kinematic Viscosity</td>
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<tr>
<td>Explosive Properties</td>
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<tr>
<td>Oxidizing Properties</td>
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</table>

Other Information

Softening Point  No information available
Molecular Weight  No information available
VOC Content(%)  No information available
Density  No Information available
Bulk Density  No information available
10. STABILITY AND REACTIVITY

Reactivity
No Information available

Chemical Stability
Stable under normal conditions

Possibility of Hazardous Reactions
None under normal processing

Conditions to Avoid
Extremes of temperature and direct sunlight

Incompatible Materials
No information available

Hazardous Decomposition Products
Thermal decomposition can lead to release of irritating gases and vapors

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation No information available
Eye Contact No information available
Skin Contact No information available
Ingestion No information available

Information on Toxicological Effects

Symptoms No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available
Mutagenic Effects No information available
Carcinogenicity No information available
Reproductive Effects No information available
STOT - single exposure No information available
STOT - repeated exposure No information available
Aspiration hazard No information available

Numerical measures of toxicity - Product Information

12. ECOLOGICAL INFORMATION

Ecotoxicity
0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Persistence and Degradability**  
No information available

**Bioaccumulation/ Accumulation**  
No information available

**Mobility**  
No information available.

**Other adverse effects**  
No information available

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Waste Disposal Methods**  
Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**  
Improper disposal or reuse of this container may be dangerous and illegal.

### 14. TRANSPORT INFORMATION

- **DOT**  
  Not regulated

- **TDG**  
  Not regulated

- **MEX**  
  Not regulated

- **ICAO**  
  Not regulated

- **IATA**  
  Not regulated

- **IMDG/IMO**  
  Not regulated

- **RID**  
  Not regulated

- **ADR**  
  Not regulated

- **ADN**  
  Not regulated

### 15. REGULATORY INFORMATION

**International Inventories**

- **USINV**  
  Complies

- **CANINV**  
  Complies

- **EINECS/ELINCS**  
  Complies

- **ENC**  
  Does not Comply

- **IECSC**  
  Complies

- **KECL**  
  Complies

- **PICCS**  
  Complies

- **AICS**  
  Complies

**USINV/ TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**CANINV/ DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances  
**ENC** - Japanese Existing and New Chemical Substances
IECSC - Chinese Inventory of Existing Chemical Substances  
KECL - Korean Existing and Evaluated Chemical Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
AICS - Australian Inventory of Chemical Substances  

**U.S. Federal Regulations**

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazardous Categorization**
- Acute Health Hazard: No
- Chronic Health Hazard: No
- Fire Hazard: No
- Sudden Release of Pressure Hazard: No
- Reactive Hazard: No

**Clean Water Act**
Not applicable

**CERCLA**
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**U.S. State Regulations**

**California Proposition 65**
This product does not contain any Proposition 65 chemicals

**State Right-to-Know**

**U.S. EPA Label Information**
No information available

**16. OTHER INFORMATION**

Prepared By: Environmental, Health and Safety
Prepared For: Thermo Fisher Scientific Inc.
Issue Date: No information available
Revision Date: 18-May-2015
Expiration Date: SDS is valid 3 years from revision date. Contact wai.techserv@thermofisher.com for the latest revision.
Reason for revision: Update to CLP Format

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End of Safety Data Sheet