PRODUCT NAME: HTH POOL THERMOMETER

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Arch Chemicals, Inc.  
1200 Bluegrass Lakes Parkway  
Alpharetta, GA 30004

| REVISION DATE: | 05/27/2015 |
| SUPERCEDES:   | 05/25/2010 |
| MSDS Number:  | 000000024261 |
| SYNONYMS:     | None |
| CHEMICAL FAMILY: | Not Applicable/Mixture |
| DESCRIPTION / USE | Swimming pool and spa use |
| FORMULA:      | None established |

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification
Specific target organ toxicity - single exposure : Category 3 (Central nervous system)
Aspiration hazard : Category 1

GHS Label element
Hazard pictograms : ⚠️ ⚠️

Signal word : Danger

Hazard statements : H304 May be fatal if swallowed and enters airways.  
H336 May cause drowsiness or dizziness.

Precautionary statements : Prevention:  
P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P271 Use only outdoors or in a well-ventilated area.  
Response:  
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
P331 Do NOT induce vomiting.

Storage:
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.

Disposal:
P501 Dispose of contents/container to an approved waste disposal plant.

Other hazards
None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS OR CHEMICAL NAME</th>
<th>CAS #</th>
<th>% RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kerosene</td>
<td>8008-20-6</td>
<td>&gt;= 90 - &lt;= 100</td>
</tr>
</tbody>
</table>

SECTION 4. FIRST AID MEASURES

Inhalation: Not a likely route of exposure.
Skin Contact: Not a likely route of exposure.
Eye Contact: Not a likely route of exposure.
Ingestion: Not a likely route of exposure.
Notes to Physician: This thermometer contains 2 ml of Kerosene. Normal usage of this product is unlikely to result in any type of exposure. However, if the outer casings of this thermometer are broken and kerosene is released and ingested, it may be aspirated into the lungs. Do NOT induce vomiting. Aspiration of material into the lungs can cause chemical pneumonitis which can be fatal.

SECTION 5. FIREFIGHTING MEASURES

Flammability Summary (OSHA): Product is not known to be flammable, combustible, pyrophoric or explosive.

Flammable Properties
Flash Point: No data.
Autoignition Temperature: No data
Fire / Explosion Hazards: Material may be ignited only if preheated to high temperatures, for example in a fire.
Extinguishing Media: Not Applicable. Choose extinguishing media suitable for surrounding materials.
Fire Fighting Instructions: In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing apparatus.
Hazardous Combustion Products: Carbon monoxide, Carbon dioxide
Upper Flammable / Explosive Limit, % in air: No data
Lower Flammable / Explosive Limit, % in air: No data

SECTION 6. ACCIDENTAL RELEASE MEASURES
Personal Protection for Emergency Situations: Use the personal protective equipment recommended in Section 8 and a NIOSH approved self-contained breathing apparatus.
Spill Mitigation Procedures
Air Release: Not applicable
Water Release: This material is insoluble in water.
Land Release: Absorb spill with inert material (e.g., dry sand, clay, earth or commercial absorbent), then place in a chemical waste container. After removal, flush contaminated area thoroughly with water.
Additional Spill Information: Remove all sources of ignition. Dispose of spill residues per guidelines under Section 13, Disposal Consideration.

SECTION 7. HANDLING AND STORAGE
Handling: Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash off with water.
Storage: Store in a cool, dry and well ventilated place.
Incompatible Materials for Storage: Refer to Section 10, “Incompatible Materials.”

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Ventilation: Ventilation beyond that of general exhaust is not normally required. No exposure limits exist for the constituents of this product.
Protective Equipment for Routine Use of Product
Respiratory Protection: Respiratory protection not normally needed.
Respirator Type: Not normally required.
Skin Protection: Wear impervious gloves to avoid skin contact.
Eye Protection: Use safety glasses with side shields.
Protective Clothing Type: Impervious
Components with workplace control parameters

<table>
<thead>
<tr>
<th>Components (CAS-No.)</th>
<th>Value</th>
<th>Control parameters</th>
<th>Basis (Update)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kerosene (8008-20-6)</td>
<td>TWA</td>
<td>200 mg/m3: Application restricted to conditions in which there are negligible aerosol exposures.</td>
<td>ACGIH (02 2014)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>[as total hydrocarbon vapor]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dermal absorption possible</td>
<td></td>
<td>ACGIH (02 2014)</td>
</tr>
</tbody>
</table>

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

- Physical State: solid
- Form: solid
- Color: Blue
- Odor: None
- Molecular Weight: No data
- pH: No data
- Boiling Point: No data
- Density: No data
- Vapor Pressure: No data
- Vapor Density: No data
- Viscosity: No data
- Fat Solubility: No data
- Solubility in Water: Insoluble
- Partition coefficient n-octanol/water: No data
- Evaporation Rate: No data
- Oxidizing: No data
- Volatiles, % by vol.: No data
- VOC Content: This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC’s (40 CFR 60.489). This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.
- HAP Content: No data

SECTION 10. STABILITY AND REACTIVITY

- Stability and Reactivity Summary: Stable under normal conditions. Product will not undergo hazardous polymerization.
- Conditions to Avoid: High temperatures
Chemical Incompatibility: Strong oxidizing agents
Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide
Decomposition Temperature: No data

SECTION 11. TOXICOLOGICAL INFORMATION

Product Animal Toxicity
Oral LD50 value: LD50 Believed to be > 5,000 mg/kg Rat
Dermal LD50 value: LD50 Believed to be > 2,000 mg/kg Rabbit
Inhalation LC50 value: No data

Skin Irritation: Not expected to be irritating to the skin.
Eye Irritation: This material is expected to be non-irritating.
Acute Toxicity: There are no known or reported target organ effects from acute exposure.
Subchronic / Chronic Toxicity: Not known or reported to cause subchronic or chronic toxicity.

Reproductive and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity.
Mutagenicity: Not known or reported to be mutagenic.
Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

SECTION 12. ECOLOGICAL INFORMATION

Overview: No ecological information available.

SECTION 13. DISPOSAL CONSIDERATIONS

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.

Waste Disposal Summary: If this product becomes a waste, it will be a nonhazardous waste according to U.S. RCRA regulations. Dispose of in accordance with
all Local, State, Federal, and Provincial Environmental Regulations.

Potential US EPA Waste Codes : Not applicable

SECTION 14. TRANSPORT INFORMATION

DOT
Not dangerous goods

TDG
Not dangerous goods

IATA
Not dangerous goods

IMDG-CODE
Not dangerous goods

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

SARA 302
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCMI Intermediate or Final VOC’s (40 CFR 60.489).

Clean Water Act
This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

US State Regulations

Massachusetts Right To Know
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know
Kerosine (petroleum) A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having a molecular weight of 250-550.

New Jersey Right To Know
Kerosine (petroleum) A complex combination of hydrocarbons produced by the distillation of crude oil. It consists of hydrocarbons having a molecular weight of 250-550.

California Prop 65
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

TSCA: The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

Inventories
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

SECTION 16. OTHER INFORMATION
Major References: Available upon request.

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. ARCH CHEMICALS BELIEVES THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF THE DATE OF PUBLICATION BUT, MAKES NO WARRANTY THAT IT IS. ADDITIONALLY, IF THIS MSDS IS MORE THAN THREE YEARS OLD, YOU SHOULD CONTACT ARCH CHEMICALS MSDS CONTROL AT THE PHONE NUMBER ON THE FRONT PAGE TO MAKE CERTAIN THAT THIS DOCUMENT IS CURRENT.