

**SAFETY DATA SHEET**

**SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION**

|                                   |  |
|-----------------------------------|--|
| <b>Product name</b>               | Total Thyroxine (T4) Reagent   |
| <b>Catalog number</b>             | SA3007   |
| <b>Product use</b>                | For the quantitative determination of total thyroxine (T4) activity in serum and lithium heparin plasma. |
| <b>Company name</b>               | Alfa Wassermann Diagnostic Technologies, LLC   |
| <b>Company address</b>            | 4 Henderson Drive<br>West Caldwell, New Jersey 07006   |
| <b>Country</b>                    | USA  |
| <b>Telephone number</b>           | 1-800-220-4488   |
| <b>Fax number</b>                 | 1-973-276-0383   |
| <b>Email</b>                      | info@alfawassermannus.com  |
| <b>Website</b>                    | www.AWDT.us  |
| <b>Emergency telephone number</b> | Toll Free: 1-866-419-ALFA (2532)   |

**SECTION 2 – HAZARDS IDENTIFICATION**

|                                 |  |
|---------------------------------|--|
| <b>Hazard classification</b>    | This product is considered hazardous under 29 CFR 1910.1200. |
| <b>GHS label elements</b>       | None required.   |
| <b>Signal word</b>              | Warning.   |
| <b>General hazard</b>           | Mixture not yet fully tested.                                |
| <b>Potential health effects</b> |  |
| <b>Routes of exposure</b>       | May be absorbed by inhalation, skin contact and ingestion.   |
| <b>Other hazards</b>            | No data available.   |
| <b>Chronic effects</b>          | No data available.   |

**SECTION 3 – COMPOSITION/ INFORMATION ON INGREDIENTS**

| <b>Hazardous Ingredients</b>            | <b>CAS Number</b> | <b>%</b>    |
|---|-------------------|-------------|
| 2-(cyclohexylamino) ethanesulfonic acid | 103-47-9          | 1 - 2       |
| 3-amino-4-chlorobenzoic acid            | 2840-28-0         | 1 - 2       |
| Sodium azide                            | 247-852-1         | 0.05 - 0.09 |

**SECTION 4 – FIRST AID MEASURES**

|                     |  |
|---------------------|--|
| <b>Skin contact</b> | Remove contaminated clothing and wash with soap and plenty of water. Seek medical attention.               |
| <b>Eye contact</b>  | Immediately flush with plenty of water or eye wash solution for up to ten minutes. Seek medical attention. |
| <b>Inhalation</b>   | Remove victim to fresh air. Seek medical attention.  |
| <b>Ingestion</b>    | Wash out mouth thoroughly with water. Seek medical attention.  |

**SECTION 5 – FIRE-FIGHTING MEASURES**

|   |   |
|---|---|
| <b>Flammable</b>                                  | No  |
| <b>Hazardous combustion products</b>              | No data available.  |
| <b>Extinguishing media</b>                        | Extinguish with water spray, carbon dioxide, dry chemical or material appropriate for the surrounding fire.   |
| <b>Protection of firefighters</b>                 | Self-contained breathing apparatus and full protective clothing must be worn in case of fire.   |
| <b>Specific hazards arising from the chemical</b> | No information identified. May emit toxic fumes of carbon monoxide, carbon dioxide, and oxides of nitrogen, chlorine-containing compounds, and sulfur-containing compounds. |
| <b>Firefighting instructions</b>                  | Use standard firefighting procedures and consider the hazards of other involved materials.  |

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

|  |   |
|--|---|
| <b>Personal precautions</b>                    | Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protecting clothing. Ensure adequate ventilation and treat material as you would hazardous materials.  |
| <b>Environmental precautions</b>               | Do not allow to enter drains, sewers or watercourses.   |
| <b>Methods for containment and cleaning up</b> | Absorb spill with vermiculite or other inert material. Place in suitable container for prompt disposal. Label the container as potentially hazardous. Spill areas can be decontaminated with 0.5% sodium hypochlorite, e.g., a fresh 1:10 dilution of common household bleach. Dispose of waste in accordance with all applicable federal, state, local and provincial environmental regulations. |

**SECTION 7 – HANDLING AND STORAGE**

|                 |  |
|-----------------|--|
| <b>Handling</b> | Wear safety glasses, disposable gloves and protective clothing. Wash thoroughly after handling. Handle and open container with care. |
| <b>Storage</b>  | Store at 2-8°C.  |

**SECTION 8 – EXPOSURE CONTROL/ PERSONAL PROTECTION**

|                                      |  |                       |
|--------------------------------------|--|-----------------------|
| <b>Exposure limits</b>               |  |                       |
| <b>Components</b>                    | <b>Type</b>  | <b>Value</b>          |
| Sodium Azide                         | ACGIH TLV: OEL-STEL  | 0.3 mg/m <sup>3</sup> |
|                                      | ACGIH TLV: OEL-TWA   | 0.1 mg/m <sup>3</sup> |
| <b>Personal protective equipment</b> | <input checked="" type="checkbox"/> Gloves <input type="checkbox"/> Respirator <input checked="" type="checkbox"/> Eye <input type="checkbox"/> Footwear <input checked="" type="checkbox"/> Clothing <input type="checkbox"/> Other |                       |

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

|                             |                            |
|-----------------------------|----------------------------|
| <b>Physical state</b>       | Liquid                     |
| <b>Color</b>                | Yellow.                    |
| <b>Odor</b>                 | No information identified. |
| <b>pH value</b>             | 5-8.                       |
| <b>Boiling point (°C)</b>   | Not available.             |
| <b>Melting point (°C)</b>   | Not available.             |
| <b>Flash point</b>          | Not available.             |
| <b>Ignition temperature</b> | Not available.             |
| <b>Vapor pressure</b>       | Not available.             |
| <b>Vapor density</b>        | Not available.             |
| <b>Specific gravity</b>     | Not available.             |
| <b>Solubility in water</b>  | Soluble.                   |

**SECTION 10 – STABILITY AND REACTIVITY**

|   |   |
|---|---|
| <b>Chemical stability</b>                 | Stable under normal conditions.   |
| <b>Incompatible materials</b>             | Strong oxidizers, ammonium compounds, organic halogen compounds, strong acids, alcohols, aluminum, tin, zinc, chlorine, halogenates, acid anhydrides, acid chlorides, bases, brass, nitromethane, trichloroethylene and copper. |
| <b>Hazardous decomposition products</b>   | No information identified.  |
| <b>Conditions to avoid</b>                | Avoid temperatures $\geq 25^{\circ}\text{C}$ . Do not freeze.   |
| <b>Possibility of hazardous reactions</b> | Hazardous polymerization does not occur.  |

**SECTION 11 – TOXICOLOGICAL INFORMATION**

|                           |  |
|---------------------------|--|
| <b>Toxicological data</b> |  |
| <b>Component</b>          | <b>Test Results</b>  |
| Sodium azide              | Acute Oral LD50 Rat: 27 mg/kg<br>Acute Oral LD50 Mouse: 27 mg/kg<br>Acute Dermal LD50 Rabbit: 20 mg/kg |
| <b>Chronic effects</b>    | No information identified.   |
| <b>Carcinogenicity</b>    | No studies identified.   |

**SECTION 12 – ECOLOGICAL INFORMATION**

|                        |  |
|------------------------|--|
| <b>Ecological data</b> |  |
| <b>Component</b>       | <b>Test Results</b>  |
| Sodium azide           | LC50 Oncorhynchus mykiss: 0.8 mg/L, 96 hours<br>LC50 Lepomis macrochirus: 0.7 mg/L, 96 hours<br>LC50 Pimephales promelas: 5.46 mg/L, 96 hours          |
| <b>Ecotoxicity</b>     | Sodium azide is toxic to aquatic organisms and should not be allowed to accumulate in metal piping as it has the potential to form explosive mixtures. |

**SECTION 13 – DISPOSAL CONSIDERATIONS**

|                       |   |
|-----------------------|---|
| <b>Waste disposal</b> | Contaminated instruments and surfaces should be disinfected in accordance with your employer's chemical-specific and universal/ standard precautions.<br><br>Dispose in accordance with all applicable regulations. |
|-----------------------|---|

**SECTION 14 – TRANSPORT INFORMATION**

|             |   |             |               |
|-------------|---|-------------|---------------|
| <b>DOT</b>  | Not regulated as a hazardous material by DOT. | <b>IMDG</b> | Not regulated |
| <b>IATA</b> | Not regulated                                 | <b>TDG</b>  | Not regulated |

**SECTION 15 – REGULATORY INFORMATION**

|                               |  |
|-------------------------------|--|
| <b>US federal regulations</b> | This product is a “Hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. |
| <b>Hazard symbol</b>          | None required.   |
| <b>Warnings</b>               | Caution. Mixture not fully tested.   |

**SECTION 16 – OTHER INFORMATION**

|   |   |
|---|---|
| <b>Supplier’s notes</b>                               | The safety data sheet has been compiled, controlled and approved in accordance with the regulations in force. It is the user’s responsibility to determine the suitability of this information for the adoption of necessary safety precautions. We reserve the right to revise the Safety Data Sheet periodically as new information becomes available.  |
| <b>Recommended restrictions on use</b>                | For in vitro diagnostic use only.   |
| <b>Disclaimer of expressed and implied warranties</b> | Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representation as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user’s intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purposes. |
| <b>Preparation information</b>                        | P/N 701197-81 Rev B 7/14  |

**END OF SDS**