SAFETY DATA SHEET

IDENTITY

SPOTCHEM™ II GOT/AST

1. PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: SPOTCHEM™ II GOT/AST

PRODUCT IDENTIFICATION:
This product is an in vitro diagnostic reagent strip intended for the quantitative determination of
GOT (glutamic-oxalacetic transaminase) activity in serum or plasma. This is intended for professional use
with the SPOTCHEM Analyzer.

MANUFACTURER: ARKRAY FACTORY, Inc.
Address: 1480 Koji, Konan-cho, Koka-shi, Shiga, 520-3306, Japan.
Telephone number & Emergency telephone number: +81-748-86-6901
Facsimile: +81-748-86-5347

EUROPEAN REPRESENTATIVE: ARKRAY, Inc. European Office
Address: Schumannstr. 109 40237 Düsseldorf, Germany
Telephone number & Emergency telephone number: +49-211 6980162
Facsimile: +49-211 6980164

2. HAZARDS IDENTIFICATION

May be harmful if ingested.
May cause eye and skin irritation.

3. COMPOSITION / INFORMATION ON INGREDIENTS

This reagent is composed of a plastic strip to which a multi-layered test field containing reagents is affixed,
and contains a little amount of chemical substances as follows:

<table>
<thead>
<tr>
<th>GOT/AST</th>
<th>Composition</th>
<th>CAS No.</th>
<th>Symbol and R-phrases</th>
<th>EINECS No.</th>
<th>Concentration (in 100 strips)</th>
<th>Concentration (wt%)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sodium L-aspartate</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>20.0 mg</td>
<td>1.0 or less</td>
</tr>
<tr>
<td></td>
<td>α-Ketoglutaric acid</td>
<td>328-50-7</td>
<td>---</td>
<td>---</td>
<td>1.6 mg</td>
<td>1.0 or less</td>
</tr>
<tr>
<td></td>
<td>Oxalacetic acid decarboxylase (OAC)</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>107 I.U.</td>
<td>1.0 or less</td>
</tr>
<tr>
<td></td>
<td>Pyruvate oxidase (POP)</td>
<td>9001-96-1</td>
<td>---</td>
<td>---</td>
<td>217 I.U.</td>
<td>1.0 or less</td>
</tr>
<tr>
<td></td>
<td>4-Aminoantipyrine (4-AAP)</td>
<td>83-07-8</td>
<td>---</td>
<td>201-452-3</td>
<td>0.64 mg</td>
<td>1.0 or less</td>
</tr>
<tr>
<td></td>
<td>N-Ethyl–N-(2-hydroxy-3-sulfopropyl)-</td>
<td>83777-30-4</td>
<td>---</td>
<td>---</td>
<td>1.08 mg</td>
<td>1.0 or less</td>
</tr>
<tr>
<td></td>
<td>3,5-dimethoxaniline sodium salt (DAOS)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Peroxidase (POD)</td>
<td>9003-99-0</td>
<td>---</td>
<td>---</td>
<td>73 P.U.</td>
<td>1.0 or less</td>
</tr>
<tr>
<td></td>
<td>Thiamine pyrophosphate acid (TPP)</td>
<td>154-87-0</td>
<td>---</td>
<td>---</td>
<td>0.38 mg</td>
<td>1.0 or less</td>
</tr>
<tr>
<td></td>
<td>Magnesium chloride</td>
<td>7786-30-3</td>
<td>---</td>
<td>232-094-6</td>
<td>0.64 mg</td>
<td>1.0 or less</td>
</tr>
</tbody>
</table>
This product is not classified as a dangerous preparation according to 1999/45/EC and 67/548/EEC and following amendments and modifications.

The product identification of danger: SYMBOL: -----, R-phrases: -----

4. FIRST-AID MEASURES
   Eye Contact
   Immediately wash eyes with plenty of clean water for at least 15 minutes and seek medical advice.
   Skin Contact
   Immediately wash thoroughly with water and soap. Immediately seek medical advice if it causes itchiness and inflammation etc.
   Ingestion
   Rinse mouth, give plenty of water to dilute the substance. Never give anything by mouth to an unconscious person. Immediate medical treatment is required.

5. FIRE-FIGHTING MEASURES
   Extinguishing Media: water etc.
   Special Fire-Fighting Procedures: None

6. ACCIDENTAL RELEASE MEASURES
   Individual protection: Use personal protective devices.
   Please refer to point 8 for specific protection measures.
   Environmental precautions: Dispose in compliance to the law in force. Clean spillage area.
   Cleaning methods: Rinse with running water.

7. HANDLING & STORAGE
   For in vitro diagnostic use only.
   Store the reagent strip in a refrigerator at temperatures between 2-8°C (35.6-46.4°F).
   Use the reagent strip prior to its expiration.
   Once the aluminum foil package containing the reagent strip has been opened, the reagent strip must be used immediately.

   # See the package insert for further handling information.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION
   Occupational Exposure Limit: Not available
   Eye Protection: Use safety goggles (glasses), if necessary.
   Skin Protection: Use rubber gloves and suitable protective clothing, if necessary.

9. PHYSICAL & CHEMICAL PROPERTIES
   Appearance: This is a dry reagent strip and is composed of a plastic strip to which a multi-layered test field containing reagents is affixed.
   pH: Not available

10. STABILITY & REACTIVITY
    Condition to avoid: Sunlight, heat and humidity
    Stability and Reactivity: Stable under normal conditions
    Materials To Avoid: Not available
    Hazardous Decomposition Products: Not available

11. TOXICOLOGICAL INFORMATION
    Irritation (skin, eye): May cause irritating skin and eyes
    Acute toxicity: Not available as the mixture
    Sensitizing: Not available as the mixture
    Chronic Toxicity: Not available as the mixture
Mutagenicity: Not available as the mixture
Carcinogenicity: IARC; Not listed, NTP; Not listed, OSHA; Not listed, ACGIH; Not listed
Reproductive Toxicity: Not available as the mixture

12. ECOLOGICAL INFORMATION
   Ecotoxicity: hr LC$_{50}$: Not available
   Mobility: Not available
   Persistence and degradability: Not available
   Bioaccumulative potential: Not available
   Other adverse effect: Not available

13. DISPOSAL CONSIDERATION
   Dispose of used strips as biohazardous waste in accordance with all applicable regulations. Any disposal practice must be in complicated with company, local, state, and federal laws and regulations. (Contact country, local or state environmental agency for specific rules.)

14. TRANSPORT INFORMATION
   IATA: Not restricted as the mixture.

15. REGULATORY INFORMATION
   This product is not classified as a dangerous preparation according to 1999/45/EC and 67/548/EEC and 2001/58/EC.

16. OTHER INFORMATION

The above information contained herein is based on the data available to us and is believed to be correct. However, ARKRAY, Inc. bears no warranty, expresses or implies regarding the accuracy of these data or the results to be obtained from the use thereof.

ARKRAY, Inc. assumes no responsibility for injury caused from the use of the product described herein.