

Material Safety Data Sheet

ARKRAY USA Inc.
5182 West 76th Street
Edina, MN 55439
Technical/Emergency Phone: 877-538-8872
Option # 5

1. Product and Company Information:

Product Name: SPOTCHEM™ II AST (GOT)
Common Name: SPOTCHEM™ II AST (GOT)
Product Code: SE77110
NDC: NA

2. 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 sodium L-aspartate, a-ketoglutaric acid, oxalacetic acid decarboxylase, pyruvate oxidase, peroxidase, ascorbate oxidase, thiamin pyrophosphate acid, magnesium chloride, the other salt, redox agents, a detergent and others.

Substance Name:	CAS #
Sodium L-aspartate	3792-50-5
a-Ketoglutaric acid	328-50-7
Oxalacetic acid decarboxylase (OAC) (<i>Aspergillus</i> sp.)	9024-98-0
Pyruvate oxidase (POP) (<i>Aerococcus</i> sp.)	9001-96-1
4-Aminoantipyrine	83-07-8
N-Ethyl-N-(2-hydroxy-3-sulfopropyl)-3, 5-dimethoxyaniline sodium salt (DAOS)	83777-30-4
Peroxidase (POD) (Horseradish)	9003-99-0
Ascorbate oxidase (AsOD) (<i>Curcubita</i> sp.)	9029-44-1
Thiamine pyrophosphate acid (TPP)	154-87-0
Magnesium chloride	7791-18-6

3. Hazards Identification:

May cause inflammation or eczema by skin contact.

Eye:

Effect: NA
First Aid: Immediately wash eyes with plenty of clean water for at least 15 minutes and seek medical advice.

Skin:

Effect: NA
First Aid: Immediately wash thoroughly with water and soap. Immediately seek medical advice if causes itchiness and inflammation, etc.

Inhalation:

Effect: NA
First Aid: Not applicable. This is a dry reagent.

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Ingestion:

Effect: NA

First Aid: Immediately rinse out mouth and seek medical advice.

4. Fire Fighting Measures:

Flash Point: NA
Flammability Limits: NA
Extinguishing Media: Water, etc.
Special Fire Fighting Procedures: None
Unusual Fire Hazards: NA

5. Accidental Release Measures:

Wear suitable protective equipment.

In case of contact with skin and eyes, immediately wash with plenty of water and seek medical advice.

Spill or Leak: NA

6. Handling and Storage:

Handling & Storage:

- Do not keep the aluminum foil package open.
- Store in a refrigerator at 2-8° C (35.6- 46.4°F).
- Allow sufficient time for the refrigerated strip to reach ambient temperature before opening the aluminum package.
- Once the aluminum package containing the reagent strip has opened the reagent strip must be used immediately.
- Use the reagent strip prior to its expiration.
- Do Not touch the reagent field of the reagent strip with your finger.

7. Exposure Controls / Personal Protection:

Exposure Limits: Not available

PPE: Respiratory Protection – Use an organic canister mask, if necessary.

Eye Protection – Use safety goggles, if necessary

Skin Protection – Use rubber gloves and suitable protective clothing, if necessary

Engineering Measures: Once the aluminum foil package containing the reagent strip has opened, the reagent strip must be used immediately.

8. Physical/Chemical Properties:

Boiling Point (°F): Not available

Vapor Pressure (mmHg): Not available

Vapor Density (Air = 1): Not available

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Solubility in Water: Not available
Specific Gravity (Water = 1): Not available
Percent Volatile by Volume: Not available
Evaporation Rate: Not available
Appearance and Odor: This is a dry reagent strip and is composed of a plastic strip to which a multi-layered test field containing reagents is affixed. This has no odor.

9. Stability and Reactivity:

Stability: Stable under normal conditions.
Incompatibility (Materials to Avoid): High temperature and humidity
Hazardous Decomposition Products: Not available.

10. Toxicological Information:

Toxicity Data: Acute toxicity – oral (rat) LD₅₀; Not available
Acute toxicity – inhalation (rat)LD₅₀; Not available
Acute toxicity – skin (rabbit) LD₅₀; Not available
Skin Irritation – May cause inflammation or eczema by skin contact, irritating to skin.
Eye Irritation – Not available.
Sensitizing – Not Available.
Chronic Toxicity – Not Available.
Mutagenicity – Not Available.
Carcinogenicity; IARC – Not Available. ACGUH – Not Available. NTP – Not Available.
Reproductive Toxicity – Not Available.

11. Disposal Considerations:

Waste Disposal: Dispose of used strips as biohazardous waste in accordance with applicable regulation.

12. Transport Information:

After confirmation of damage on the package, ship the packages without tumble, dropping or damage. Transport the packages at 35.6 – 46.4° F (2 to 8° C).

DOT

Proper Shipping Name: NA
Non-Hazardous for Transport: NA

IATA

Proper Shipping Name: NA
Non-Hazardous for Air Transport: NA

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13. Regulatory Information:

This product should be treated as biohazardous waste (Biohazardous Disposal Procedure) (This is the contents of 100 test strips described above).

14. Other Information:

This material safety data sheet and the information it contains are offered to you in good faith as accurate. We have reviewed any information contained in this data sheet, which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.