

Japan Institute for the Control of Aging (JalCA)

MATERIAL SAFETY DATA SHEET

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Product and Company Information

Product Name: Test kit for Potential Anti Oxidant (PAO)
Product Number: KPA-050
Manufacture: Japan Institute for the Control of Aging (JalCA),
Nikken SEIL Corporation
Address: 710-1 Haruoka, Fukuroi-shi, Shizuoka, 437-0122 Japan
Technical Phone: +81-538-49-0125 (Japan)
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Composition / Information on Ingredient

Product Name	CAS Number
Test kit for Potential Anti Oxidant (PAO)	None

Kit components:

- 1) Standard: Uric acid (CAS#1198-77-2)
- 2) Sample diluent: Bathocuproine solution(CAS#4733-39-5)<5%.
- 3) Cu⁺⁺ solution: CuSO₄ solution(CAS#7758-99-8) <0.05%.
- 4) Stop solution: EDTA solution(CAS#6381-92-6).
- 5) Micro titer plate:

The hazards are identified are those associated with following substances. Please refer to individual material safety data sheets.

- A) Bathocuproine solution(CAS#4733-39-5, <5%) in "Sample diluent".
 - B) CuSO₄ solution(CAS#7758-99-8, <0.05%) in "Cu⁺⁺ solution".
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Hazards Identification

HMIS Rating

Health:

Flammability:

Reactivity:

NFPA Rating

Health:

Flammability:

Reactivity:

First Aid Measures

Oral Exposure:

If swallowed, wash out mouth with water provided person is conscious.

Call a physician immediately.

Inhalation Exposure:

If inhaled, remove to fresh air. If not breathing, give artificial respiration.

Call a physician immediately.

Dermal Exposure:

In case of skin exposure, wash out with water for at least 15 minutes.

Remove contaminated clothing. Call a physician immediately.

Eye Exposure:

In case of eye exposure, wash out with water for at least 15 minutes.

Call a physician immediately.

Fire Fighting Measures

Explosion Hazards: N/A

Flash Point: N/A

Autoignition Temperature: N/A

Flammability: N/A

Extinguishing Media: Water spray, carbon dioxide or dry chemical powder.

Firefighting: Wear self –contained breathing apparatus and protective clothing to prevent with skin and eyes.

Accidental Release Measures

Procedure of Personal Precautions:

Wear respirator, chemical safety goggles, rubber boots and rubber gloves.

Clean-Up Procedure:

Spilled material should be wiped up.

Handling and Storage

Store at room temperature.

Exposure Controls

Engineering Controls:

Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment:

Respiratory: respirator.

Hand: rubber gloves.

Eye: goggles:

General Hygiene Measures:

Wash thoroughly after handling. Wash contaminated clothing before re-use.

Stability and Reactivity

Stability: Stable.

Materials to Avoid: N/A.

Hazardous Decomposition Products: Nature of decomposition products is not known.

Toxicological Information

Route of Exposure:

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Inhalation: May cause irritation at mucous membranes and upper respiratory tract.

Ingestion: May be harmful if swallowed.

Ecological Information

N/A

Disposal Information

Contact a professional waste disposal service to dispose this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all environmental regulations.

Transport Information

This substance is considered to be Non-Hazardous for transport.

This substance is considered to be Non-Hazardous for air transport.

Regulatory Information

United States Classification and Label Text:

United States Regulatory Information:

SARA Listed: No.

Other Information

This substance is For Research Use Only.

Not for drug, diagnostic, or other uses.