

MATERIAL SAFETY DATA SHEET

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Product and Company Information

Product Name: New 8-OHdG Check
New 8-OHdG Check Trial Package
Highly Sensitive 8-OHdG Check

Product Number: KOG-200SE/ KOG-200TE/ KOG-HS10E

Manufacture: Japan Institute for the Control of Aging (JalCA),
Nikken SEIL Corporation

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Composition / Information on Ingredient

Product Name	CAS Number
8-OHdG Check ELISA kit	None

Kit components:

- 1) 8-OHdG microtiter Plate: Microtiter plates precoated with 8-OHdG.
- 2) Primary antibody: Monoclonal antibody specific for 8-OHdG.
- 3) Primary antibody solution: Phosphate buffered saline.
- 4) Secondary antibody: HRP-conjugated anti mouse antibody.
- 5) Secondary antibody solution: Phosphate buffered saline.
- 6) Chromogen solution: 3,3',5,5'-tetramethylbenzidine (TMBZ).
- 7) Diluting solution: Hydrogen peroxide (<0.05%) dissolved in citrate-phosphate buffered saline.
- 8) Washing solution: Phosphate buffered saline.
- 9) Reaction terminating solution: 1M phosphoric acid.
- 10) Standard 8-OHdG solution: 0.5, 2, 8, 20, 80 and 200 ng/mL of 8-OHdG.

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

- A) Hydrogen peroxide (CAS# 7722-84-1, <0.05%) in "Diluting solution".
- B) N,N-Dimethylformamide (CAS#68-12-2, <0.3 mL) in "Chromogen solution".

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 2-8 degree C.

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.