

MATERIAL SAFETY DATA SHEET

Date updated: November 05, 2013

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1. 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 (JaICA),
Nikken SEIL Co., Ltd.

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2. 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.

Component	CAS-No.	Classification according to 67/548/EEC	Classification according to (EC) No 1272/2008	Concentration
3,3',5,5'-Tetramethylbenzidine In Chromogen solution	54827-17-7	T R23/24/25 R19	Acute Tox. 2, H300; Acute Tox. 2, H310; Acute Tox. 2, H330	< 0,1%
Hydrogen peroxide in "Diluting solution"	7722-84-1	C R34; Xn R20/22; O R8	Ox. Liq. 1, H271; Skin Corr. 1A, H314; Acute Tox. 4, H302; Acute Tox. 4, H332	<0,05%

3. Hazards Identification

HMIS Rating

Health:

Flammability:

Reactivity:

NFPA Rating

Health:

Flammability:

Reactivity:

4. 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.

5. 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.

6. 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.

7. Handling and Storage

Store at 2-8 degree C.

8. 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.

9. Physical and chemical properties

Appearance (physical state, color, etc) :	No information available.
Odor :	No information available.
Odor threshold :	No information available.
pH :	No information available.
Melting point/Freezing point :	No information available.
Initial boiling point and boiling range :	No information available.
Flash point :	No information available.
Evaporation rate :	No information available.
Flammability (solid, gas) :	No information available.
Upper/lower flammability or explosive limits :	No information available.
Vapor pressure :	No information available.
Vapor density :	No information available.
Relative density :	No information available.
Solubility(ies) :	No information available.

Partition coefficient: n-octanol/water :	No information available.
Autoignition temperature :	No information available.
Decomposition temperature :	No information available.
Viscosity, kinematic:	No information available.

10. Stability and Reactivity

Stability: Stable.

Materials to Avoid: N/A.

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

11. 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.

12. Ecological Information

N/A

13. 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.

14. Transport Information

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

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

15. Regulatory Information

United States Classification and Label Text:

United States Regulatory Information:

SARA Listed: No.

16. Other Information

This substance is For Research Use Only.

Not for drug, diagnostic, or other uses.

