

TREVIGEN®

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: HT 8-OHdG ELISA

CATALOG NUMBER: 4380-096-K, 4380-192-K

Hazardous Components:

3,3',5,5'-tetramethylbenzidine (TMB) ≤0.05% (w/v)
Hydrochloric Acid (1N solution)

CAS#: 54827-17-7

CAS#: 7647-01-0

EMERGENCY OVERVIEW

TMB: IRRITANT. MAY CAUSE EYE, SKIN and RESPIRATORY TRACT IRRITATION

OSHA Hazards

Hydrochloric Acid: Harmful by ingestion. CORROSIVE

HMIS RATING

HEALTH: 3

FLAMMABILITY: 1

PHYSICAL HAZARD: 0

NFPA RATING

HEALTH: 3

FLAMMABILITY: 1

REACTIVITY: 0

Hazard Statements:

Hydrochloric Acid:

Causes skin irritation.

Causes Serious Eye Damage

TMB:

Not Dangerous (67/548/EEC; 1999/45/EC)

Not Hazardous (OSHA Hazards 29 CFR 1910.1200)

POTENTIAL HEALTH EFFECTS/ ROUTE OF EXPOSURE

Inhalation: Irritant; Harmful; material is irritating to mucous membranes and upper respiratory tract.

Skin: Irritant; Harmful if absorbed through the skin; causes skin irritation.

Eyes: Causes eye irritation.

Ingestion: Irritant; harmful if swallowed.

FIRST AID

DERMAL EXPOSURE: In case of contact: wash with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. If a rash or other irritation develops, seek medical attention.

EYE EXPOSURE: In case of eye contact: Flush eyes with water for 15 minutes, and continue eye flushing during transport to a hospital. Seek medical attention.

ORAL EXPOSURE: Never give anything by mouth to an unconscious person. If swallowed, do NOT induce vomiting. Immediately rinse mouth with water and seek medical attention.

INHALATION EXPOSURE: If Inhaled: May cause respiratory tract irritation. Call a physician if breathing is difficult.

EXTINGUISHING MEDIA

Suitable: Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

Hazardous Combustion Products:

Kit components may emit toxic vapors.

Hydrochloric Acid: Hydrogen chloride gas fumes.

TMB: Carbon oxides, Sulphur oxides

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PROCEDURE(S) OF PERSONAL PRECAUTION(S)

Wear laboratory coat, safety goggles, rubber boots, and laboratory rubber gloves.

Materials to avoid:

Hydrochloric Acid: Bases, amines, alkali metals, metals, hexalithium disilicide, potassium permanganate and other permanganates, fluorine

TMB: Acids, acid chlorides, acid anhydrides, oxidizing agents, alkali metals, reducing agents

METHODS FOR CLEANING UP

Use personal protective equipment. Avoid inhaling vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Absorb on sand or vermiculite and collect with an electrically protected vacuum cleaner or by wet-brushing and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete. Do not allow product to enter drains.

HANDLING

Storage:

Hydrochloric Acid: Store tightly closed in sealed, upright containers to avoid leakage, in a dry, well ventilated area.

TMB: Store at 2-8 °C

STABILITY

Stability: Stable under recommended storage conditions.

Materials to Avoid: Strong Oxidizing agents, metals; strong bases.

DISPOSAL

Observe all federal, state, and local environmental regulations. Burn in a chemical incinerator equipped with and afterburner and scrubber but exert extra care as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging: Dispose of as unused product.

TRANSPORT INFORMATION

DOT: Not Hazardous

IATA: Not Hazardous

IMDG: Not Dangerous

REGULATORY INFORMATION:

TSCA: Not Listed

OSHA Hazards

Hydrochloric Acid: Harmful by ingestion. Corrosive

US CLASSIFICATION AND LABEL TEXT:

SARA 302 Components: Not Listed

SARA 313 Components: Not Listed

SARA 311/312 Hazards: Hydrochloric Acid CAS# 7647-01-0 Rev. 1993-04-24

Massachusetts Right to Know Components:

Hydrochloric Acid CAS# 7647-01-0 Rev. 1993-04-24

Pennsylvania Right to Know Components:

Hydrochloric Acid CAS# 7647-01-0 Rev. 1993-04-24

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New Jersey Right to Know Components:

Hydrochloric Acid

CAS# 7647-01-0

Rev. 1993-04-24

California Prop. 65 Components

Kit components do not contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

EU CLASSIFICATION

TMB:

Hazard Code: Xi = Irritant

Risk Statements: 36 = Irritating to the Eyes

37 = Irritating to the Respiratory System

38 = Irritating to the Skin

Safety Statements: 26 = In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

27 = Take off immediately all contaminated clothing

28 = After contact with skin, wash immediately with plenty of soap and water

29 = Do not empty into drains

30 = Never add water to this product

33 = Take precautionary measures against static discharges

35 = This material and its container must be disposed of in a safe way

36 = Wear suitable protective clothing

OTHER INFORMATION:

For research use only; not for drug, household, or other uses.

The above information is believed to be correct, however, the physical, chemical, and toxicological properties of the product may not yet have been fully characterized. Trevigen recommends the use of gloves, lab coats and eye protection while using or handling this product. Trevigen assumes no liability for damage resulting from handling or contact with the above product.