

Safety Data Sheet

Section 1. Product and Company Identification

Product Name HDL Cytotoxicity Assay Kit
Catalog # K6330400
Manufacturer Biochain Institute, Inc.
39600 Eureka Drive
Newark, CA 94560
USA
510.783.8588 or 1.888.762.2568
Email: info@biochain.com
Emergency Phone # Contact your local hazardous material control center.
Call 911 in case of medical emergency.

Section 2. Hazards Identification

Review approved and the most current institutional guideline, protocol, SOP(s) and MSDS(s) for the proper handling of institutional materials/equipment associated with the use of this BCI product.

Routes of Entry: Skin Absorption (**No**); Dermal/skin contact (**Yes**); Eye contact (**Yes**); Inhalation (**No**); Ingestion (**Yes**); Chronic Exposure (**No**).

Potential Acute Health Effects: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Slightly hazardous in case of skin contact (irritant). Hazardous in case of eye contact (irritant). Slightly hazardous in case of ingestion.

Carcinogenic Effects: Not listed by NTP, IARC or OSHA.

Mutagenic Effects: Not available.

Teratogenic Effects: Not available.

Section 3. Composition and Information on Ingredients

Components/Item	Part Number
1. Catalyst Reagent (containing Diaphorase and NAD ⁺)	K6330400-1
2. Catalyst Reconstitution Buffer	K6330400-2
3. Dye Solution (containing tetrazolium INT and lactate)	K6330400-3
4. Lysis Solution (10x)	K6330400-4
5. Stop Solution	K6330401-5

Catalyst Reagent: Irritating to eyes, respiratory system and skin.

Lysis Solution: Irritating to eyes, respiratory system and skin.

Stop Solution: Irritating to eyes, respiratory system and skin.

Section 4. First Aid Measures

Skin: Wash exposed skin with mild soap and water. Get medical attention if irritation develops or persists.

Eyes: Immediately flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention.

Ingestion: If affected person is conscious, give plenty of water to drink. Seek medical attention. Wash contaminated clothing before reuse.

Section 5. Fire Fighting Measures

Flammability of the Product: Not flammable.

Flash Points: Not available.

Fire Fighting Procedures:

Small Fire: Use DRY chemical powder.

Large Fire: Use water spray, fog or foam. Do not use water hose.

Section 6. Accidental Release Measures

Small Spill and Leak:

Absorb with an inert dry material and place in an appropriate waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Section 7. Handling and Storage

Handling: Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

Storage: store at -20°C and protected from light.

Section 8. Exposure Controls/Personal Protection

Ensure that eyewash stations and safety showers are proximal to the work-station location.

Eyes and Face: Splash goggles.

Body: Lab coat.

Respiratory: Be sure to use NIOSH/MSHA approved respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

Hands: Gloves.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Components/Item	Physical state	Color	odor
1. Catalyst Reagent (containing Diaphorase and NAD ⁺)	Solid	Clear	none
2. Catalyst Reconstitution Buffer	Liquid	Clear	none
3. Dye Solution (containing tetrazolium INT and lactate)	Liquid	Red	none
4. Lysis Solution (10x)	Liquid	Clear	none
5. Stop Solution	Liquid	Clear	irritating

Section 10. Stability and Reactivity

Stability and Reactivity: The product is stable

Incompatibility with Various Substances No decomposition if used according to specifications. No dangerous reactions known.

Section 11. Toxicological Information

Primary Irritant Effects: Harmful if ingested.

On the Eye: Cause eye irritation.

Sensitization: No sensitizing effects known.

Section 12. Ecological Information

Data not yet available.

Section 13. Disposal Considerations

Waste Information:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Hand over to hazardous waste disposers.

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information

Contact BCI for all transport information.

Section 15. Regulatory Information

EINECS: Not available.

European Information: Irritating to eyes, skin, and respiratory system. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Section 16. Other Information

The information contained in this SDS was obtained from sources we believe are reliable. However, the above information is provided without warranty, expressed or implied, regarding its correctness. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.