

SAFETY DATA SHEET (SDS)

OSHA HCS 29 CFR 1910.1200(g) and GHS Rev 06

CTL-LDC™
Cell Counting Reagent

Section 1: IDENTIFICATION

- Product name:** CTL-LDC™ Cell Counting Reagent a component CTL-LDC™ Live/Dead Cell Counting Kits
- Catalog number:** CTL-LDC™ Cell Counting Kit: Cat. #CTL-LDC-100-2;
CTL-LDC Cell Counting Dye: Cat. #LDCD-050, #LDCD-100
- Company name:** Cellular Technology Limited
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Shaker Heights, OH 44122-5350 USA
+1 216-791-5084 T • +1 216-751-1373 F
+1 888-791-4005 Toll Free US
kits@immunospot.com
www.immunospot.com
- Recommended usage:** When mixed according to protocol with accompanying components of the CTL-LDC™ Cell Counting Kit, **CTL-LDC™ Cell Counting Reagent** is a solution used to visualize the fluorescent staining of cells.
For laboratory research use only. Not for use in diagnostic or therapeutic procedures.
- Emergency telephone:** +1 216-791-5084; +1 888-791-4005 Toll Free US

Section 2: HAZARD(S) IDENTIFICATION

GHS classification: N/A

GHS signal word: Warning



Hazard statements: H315 – May cause skin irritation
H319 – May cause eye irritation
H335 – May cause respiratory irritation

Precautionary statements: P280 – Wear protective gloves/protective clothing/eye protection/face protection.
P264 – Wash hands thoroughly after handling.
P362+P364 – Take off contaminated clothing and wash before reuse.

Response statements: P302+P352 – If on skin, wash with plenty of soap and water.
P305+P351+P338 – If in eyes, rinse cautiously with water for several minutes, remove contact lenses if present and easy to do, continue rinsing.
P337+P313 – If eye irritation occurs, get medical advice/attention.

Risk phrases: R36 – Irritant to eyes
R38 – Irritant to skin

Safety phrases: S36/S37 – Wear suitable protective clothing and gloves.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

CONTAINS	CAS NUMBER	EC NUMBER	CONTENT
N/A	N/A	N/A	NA/

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Section 4: FIRST-AID MEASURES

- Skin and eyes:** In case of contact, immediately flush affected area thoroughly with water. Irrigate eyes and skin for at least 15 minutes and seek medical attention. Remove contaminated clothing.
- Inhalation:** If inhaled, move to fresh air and seek medical attention. If breathing is irregular or stopped, give artificial respiration.
- Ingestion:** If ingested obtain immediate medical attention. Keep at rest. Do not induce vomiting.

Section 5: FIRE-FIGHTING MEASURES

- Suitable extinguishing media:** Carbon dioxide extinguishing powder, dry chemicals, or alcohol-resistant foam.
- Special hazards arising from the substance or mixture:** No further relevant information available.
- Advice for firefighters:** Use respirator and full protective gear to prevent contact with skin and eyes.

Section 6: ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Use proper personal protective equipment. Avoid breathing vapors and provide adequate ventilation.
- Environmental precautions:** Avoid run-off to waterways and sewers.
- Containment/clean-up measures:** For spills and leaks, ventilate area of leak or spill. Absorb spill using an absorbent, non-combustible material and dispose of collected material according to local and regional regulations.

Section 7: HANDLING AND STORAGE

- Precautions for safe handling:** Use only with adequate ventilation. Avoid contact with skin, eyes, and clothing. Wear eye protection, chemical-resistant gloves, and lab coat.
- Conditions for safe storage:** Store in a tightly closed container in a well-ventilated place at 2-8°C. Protect from light.
- Incompatible materials:** Stable under recommended storage conditions.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

PEL: N/A

- Personal protective equipment:** Ventilation – use only with adequate ventilation to keep exposure limits low. Wear chemical-resistant gloves, protective goggles, and lab coat.   
- General protective hygiene considerations:** Handle in accordance with good industrial hygiene and safety practice. Wash hands thoroughly with soap and water after handling and before eating or drinking. Safety shower and eye wash should be available and close to work areas.
- Environmental exposure controls:** Follow best practice for site management and disposal of waste. Avoid release into the environment.

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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear pinkish liquid	Vapor pressure	Not available
Odor	Odorless	Vapor density	Not available
Odor threshold	Not available	Relative density	Not available
pH	Not available	Solubility	Not available
Melting point	Not available	Partition coefficient	Not available
Freezing point	Not available	Auto-ignition temperature	Not available
Initial boiling point and range	Not available	Decomposition temperature	Not available
Flash point	Not available	Evaporation rate	Not available
Flammability (solid, gas)	Not available	Viscosity	Not available
Upper/lower flammability or explosive limits	Not available		

Section 10: STABILITY AND REACTIVITY

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions.

Possibility of hazardous reactions: No data available

Conditions to avoid: Prolonged heating above 150°C can cause rapid, exothermic decomposition.

Incompatible materials: Stable

Hazardous decomposition products: Carbon Monoxide

Section 11: TOXICOLOGICAL INFORMATION

Routes of entry/exposure: Skin, eyes, ingestion

Reproductive toxicity: No data available

Acute toxicity: No data available

Acute effects on skin: Causes skin irritation from short and long-term exposure.

Chronic effects on skin: No data available

Acute effects on eyes: Causes eye irritation from short and long-term exposure.

Chronic effects on eyes: No data available

Carcinogenicity: No data available

Germ cell mutagenicity: No data available

Symptoms of chemical exposure: Irritation and redness of skin and eyes

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Section 12: ECOLOGICAL INFORMATION

Toxicity: Avoid release into the environment.

Persistence and biodegradability: No data available

Bioaccumulative potential: No data available

Mobility in soil: No data available

Other adverse effects: No data available on the adverse effects of this material on the environment.

Section 13: DISPOSAL CONSIDERATIONS

Product waste treatment: Dispose of product waste in accordance with applicable national, regional, or local regulations.

Packaging waste treatment: Dispose of packaging waste in accordance with applicable national, regional, or local regulations.

Precautions: No data available

Section 14: TRANSPORT INFORMATION

DOT number: N/A

UN number: N/A

IMDG code: Not a marine pollutant

IATA code: N/A

Section 15: REGULATORY INFORMATION

TSCA: Not listed

California proposition 65: Not listed as one of California's known or potential carcinogens.

CERCLA/SARA: Not listed

EU labeling: Not listed

Section 16: OTHER INFORMATION

The information and recommendations in this Safety Data Sheet are believed to be accurate as of the date of issue. Nothing herein shall be deemed to create a warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this data to formulate the necessary safety precautions, as well as to decide the suitability of the material or product for any particular purpose. This product is intended for use only by persons having necessary technical skills and facilities for its proper handling. Since the conditions and manner are outside of the control of Cellular Technology Limited (CTL), CTL shall not be held liable for any damage or injury resulting from the use, misuse, or mishandling of the above product, or the information contained in this Safety Data Sheet.

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