



Safety Data Sheet

Human Cot-1 DNA

Health	0
Fire	0
Reactivity	0
Special Hazard	0

Page 1 of 5

Section 1: Chemical Product and Company Identification

Product Name: Human Cot-1 DNA

Catalog Codes: MPNA-8888, 8889, C150, C650, CUS1, CUS2, 10MG

Identified Uses: Analytical reagent

Brand: Molecular Biologicals International, Inc.

Contact Information:

Molecular Biologicals International,
Inc. 6 Chrysler, Irvine, CA 92618
(949) 380-9966

CHEMTREC (24HR Emergency Telephone), call:
1-(800) 424-9300

CHEMTREC, call: 1-(800) 424-9300

For non-emergency assistance, call: 1-(281) 441-4400

Section 2: Hazard Identification

OSHA/HCS status

While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

GHS - Classification

Signal Word: No signal word.

Hazard statements: No known significant effects or critical hazards.

Precautionary Statements

Prevention: Not applicable.

Response: Not applicable.

Storage: Not applicable.

Disposal: Not applicable.

Hazards not otherwise classified: None known.

Principle Routes of Exposure

Potential Health Effects

Eyes: May cause eye irritation in susceptible persons.

Skin: May cause skin irritation in susceptible persons.

Inhalation: May be harmful by inhalation.

Ingestion: May be harmful if swallowed.

Specific Effects

Carcinogenic effects: None

Mutagenic effects: None

Reproductive toxicity: None

Sensitization: None

Target Organ Effects: No known effects under normal use conditions



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Page 2 of 5

Section 3: Composition and Information on Ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health.

Substance: Mixture

Section 4: First Aid Measures

Eye Contact: Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. If symptoms occur, obtain medical advice.

Inhalation: Remove to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Ingestion: Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.

Most important symptoms and effects: No information available

Potential acute health effects

Eye contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact: No specific data.

Inhalation: No specific data.

Skin contact: No specific data.

Ingestion: No specific data.

Immediate Medical Care and Special Treatment Needed: Treat symptomatically.

Section 5: Fire and Explosion Data

Suitable Extinguishing Media: Water spray. Carbon dioxide (CO₂). Foam. Dry chemical.

Fire Fighting Methods and Protection: Wear self-contained breathing apparatus or respirator (NIOSH/MSHA approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

Personal precautions: Wear appropriate personal protective equipment.

Methods for clean up: Absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of material and its container according to local and regional authority requirements.

Environmental Precautions: Prevent further leakage or spillage if safe to do so.



Safety Data Sheet

Human Cot-1 DNA

Health	0
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Page 3 of 5

Section 7: Handling and Storage

Procedure For Handling: Handle in accordance with good industrial hygiene and safety practices. Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

Recommended Storage Methods: Keep in a dry, cool and well-ventilated place. Store at ≤ -20 °C.

Section 8: Exposure Controls/Personal Protection

Exposure Limits: We are not aware of any national exposure limit.

Engineering Controls: Provide local exhaust ventilation, showers, and eyewash stations.

Personal Protective Equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection: Impervious gloves

Eye protection: Wear safety glasses with side shields (or goggles).

Skin and Body Protection: Lightweight protective clothing.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practices.

Environmental exposure controls

Prevent product from entering drains.

Section 9: Physical and Chemical Properties

General information Form: Liquid

Color: Clear

Odor: No data available

Odor Threshold: No data available

pH: No data available

Boiling point/boiling range: 100 °C (212 °F)

Meltingpoint/freezingpoint: No data available

Flash point: No data available

Evaporation Rate: No data available

Flammability (solid, gas): No data available

Upper/lower flammability: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Relative Density: No data available



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Autoignition Temperature: No data available
Oxidizing properties: No information available
Water solubility: soluble
Partition coefficient: No data available
Decomposition temperature: No data available
Viscosity: No information available

Section 10: Stability and Reactivity Data

Stability: Stable under normal conditions.
Materials to Avoid: No dangerous reaction known under conditions of normal use.
Hazardous Decomposition Products: None under normal use conditions.
Polymerization: Hazardous polymerization does not occur.

Section 11: Toxicological Information

Acute Toxicity

Not Hazardous

Principle Routes of Exposure

Eyes: May cause eye irritation in susceptible persons.
Skin: May cause skin irritation in susceptible persons.
Inhalation: May be harmful by inhalation.
Ingestion: May be harmful if swallowed.

Potential Health Effects

Carcinogenic effects: None
Mutagenic effects: None
Reproductive toxicity: None
Sensitization: None

Target Organ Effects: No known effects under normal use conditions

Section 12: Ecological Information

Ecotoxicity: No information available
Mobility: No information available
Biodegradation: No information available
Bioaccumulation: No information available



Safety Data Sheet

Human Cot-1 DNA

Health	0
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Page 5 of 5

Section 13: Disposal Considerations

Waste Disposal: Keep out of drains, sewers, ditches, and waterways. Consult Waste Management Authority for disposal. All waste must be handled in accordance with local, state, and federal regulations.

Section 14: Transport Information

Regulatory Information

DOT / IMDG / IATA: Not regulated.

Section 15: Regulatory Information

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

US Federal Regulations

SARA 313: This product is not regulated by SARA

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contain HAPs.

US State Regulations

California Proposition 65: This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

Non-controlled

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

Section 16: Other Information

Last updated: 03/28/2019

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Molecular Biologicals International, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Molecular Biologicals International, Inc. has been advised of the possibility of such damages.