

1. PRODUCT AND COMPANY IDENTIFICATION

A. PRODUCT IDENTIFIERS

PRODUCT NAME : **Decontamination Solution**
 SYNONYMS : **5% Bleach in Water**
 INDEX # : **N/A**
 CAS # : **N/A**

B. DETAILS OF SUPPLIER OF THE SAFETY DATA SHEET

COMPANY : **Integrated DNA Technologies**
 : **1710 Commercial Park**
 : **Coralville, IA 52241**
 TELEPHONE : **1-800-328-2661**
 EMERGENCY PHONE # : **24 Hour Emergency Telephone:**
CHEMTREC: 1-800-424-9300

Note: CHEMTREC's emergency number is to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

C. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE:

For research and development purposes only.

2. HAZARD IDENTIFICATION

A. GHS LABEL ELEMENTS, INCLUDING PRECAUTIONARY STATEMENTS

I. PICTOGRAM:



II. SIGNAL WORD :DANGER

III. HAZARD STATEMENTS :

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

IV. PRECAUTIONARY STATEMENTS:

P264 Wash face, hands and any exposed skin thoroughly after handling.

P280 Wear protective gloves, protective clothing, face protection, and eye protection such as safety glasses.

P310 Immediately call a poison center or doctor.

P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

P363 Wash contaminated clothing before reuse.

P304+P340 If inhaled: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS #	PERCENT	HAZARDOUS CLASSIFICATION
Sodium Hypochlorite	7681-52-9	0-5%	Skin Irrit 1; Eye Irrit 1
Water	7732-18-5	10-90%	Non-Hazardous

4. FIRST AID MEASURES

SKIN CONTACT:	Remove contaminated clothing. Flush affected area with water and then wash with soap or mild detergent and water. Observe for signs of irritation. If irritation is present, get medical attention.
EYE CONTACT:	Wash eyes with large amounts of water or normal saline for at least 15 minutes. Observe for signs of irritation. If irritation is present, get medical attention.
INGESTION:	Get medical attention.
INHALATION:	Remove from exposure area to fresh air immediately. If not breathing give artificial respiration. If breathing is difficult give Oxygen.
INJECTION:	If accidentally injected, get medical attention.
NOTE TO PHYSICIAN:	There is no specific antidote. Treat symptomatically and supportively.
5. FIRE FIGHTING MEASURES	
Fire and Explosion Hazard:	N/A
Fire Extinguishing Media:	For small fires use dry chemical, foam or carbon dioxide. Water may not be effective but may be used to keep containers exposed to fires cool.
6. ACCIDENTAL RELEASE MEASURES	
OCCUPATIONAL SPILL:	Wear appropriate protective clothing and chemically compatible gloves. Absorb with appropriate sorbent material and place spillage in appropriate container for waste disposal. Do not use combustible materials as a sorbent. Report spills to the environment of any spill materials that reach the RQ.
REPORTABLE QUANTITY (RQ):	Not Applicable
7. HANDLING AND STORAGE	
Observe all federal, state and local regulations. Do not breathe dust. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep tightly closed. Store in a cool dry place. Use prudent laboratory practices for handling and storage of chemical substances of unknown toxicity.	
8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
EXPOSURE CONTROLS:	Use in a laboratory hood or other ventilated device. OSHA, ACGIH, or NIOSH has not established occupational exposure limits for this substance. Use prudent laboratory practices for handling chemical substances of unknown toxicity.
EYE PROTECTION:	Employees should wear splash proof or dust resistant safety goggles to prevent eye contact with this substance.
CLOTHING:	Employees should wear appropriate protective clothing (laboratory coat with long sleeves) and equipment to prevent skin contact with this material.
GLOVES:	Employee must wear appropriate protective gloves to prevent contact with this material.
9. PHYSICAL AND CHEMICAL PROPERTIES	
DESCRIPTION:	Clear to light brown liquid.
PH	9-12
10. STABILITY AND REACTIVITY	
REACTIVITY:	Stable under recommended storage conditions.
CONDITIONS TO AVOID	Heat, Flames and Sparks
INCOMPATIBILITIES:	Strong oxidizing agents, strong acids, strong bases, metals
POLYMERIZATION:	Not Available

11. TOXICOLOGICAL INFORMATION

TOXICITY:	The toxicological properties of this material have not been investigated. For research and development purposes only.
CARCINOGEN STATUS:	No information available.
LOCAL EFFECTS:	No information available.
TARGET EFFECTS:	No information available.
AT INCREASED RISK FROM EXPOSURE:	No information available.
CARCINOGEN/REPRODUCTIVE TOXIN STATUS:	
IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by OSHA

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT RATING (0-4):	No data available
ACUTE AQUATIC TOXICITY:	No data available
DEGRADABILITY:	No data available
LOG BIOCONCENTRATION FACTOR (BCF):	No data available

13. DISPOSAL CONSIDERATIONS

Observe all Federal, State and Local Regulations.

14. TRANSPORTATION INFORMATION

UN 1791, Hypochlorite Solutions, 8, III

15. REGULATORY INFORMATION

The toxicological properties of this material have not been investigated. For research and development purposes only.

16. OTHER INFORMATION

POTENTIAL HEALTH EFFECTS:

SKIN CONTACT:	Short Term Exposure:	May be harmful if absorbed through skin- Causes chemical burns.
	Long Term Exposure	No information available
EYE CONTACT:	Short Term Exposure:	Corrosive to mucus membranes.
	Long Term Exposure	No information available
INGESTION:	Short Term Exposure:	Toxic if swallowed. Corrosive to mucus membranes.
	Long Term Exposure	No information available
INHALATION:	Short Term Exposure:	May be toxic if inhaled. Corrosive to mucus membranes.
	Long Term Exposure	No information available
INJECTION:	Short Term Exposure:	May be harmful if injected
	Long Term Exposure	No information available

THE AFOREMENTIONED INFORMATION IS BELIEVED TO BE CORRECT, BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. INTEGRATED DNA TECHNOLOGIES SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.