

Safety Data Sheet

SDS Number: IDT-090
Effective Date: Dec 28, 2011
Revision Date: May 26, 2015

PRODUCT AND COMPANY IDENTIFICATION

A. PRODUCT IDENTIFIERS

PRODUCT NAME : Nuclease Free Duplex Buffer

SYNONYMS : N/A
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: :NOT APPLICABLE



II. SIGNAL WORD :Warning

III. HAZARD STATEMENTS :

H 335 May cause respiratory irritation

IV. PRECAUTIONARY STATEMENTS:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray
P271 Use only outdoors or in a well-ventilated area

P403 Store in a well-ventilated place. Keep container tightly closed

P405 Store locked up

P501 Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGRIDENTS	CAS #	PERCENT	HAZARDOUS CLASSIFICATION
Water	7732-18-5	5-100%	Non-Hazardous
HEPES	7365-45-9	0-5%	Resp Irrit 3

4. FIRST AID MEASURES

SKIN CONTACT: Remove contaminated clothing. Wash exposed area with soap and water. If

irritation persists, seek medical attention

EYE CONTACT: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek

medical aid.

INGESTION: Call a physician. Do not induce vomiting.

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.

Nuclease Free Duplex Buffer

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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. Wear self-contained

breathing apparatus and protective suit.

ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL SPILL: Absorb spill with inert material, then place in a chemical waste container. Dispose

of in a manner consistent with federal, local law.

RPORTABLE QUANTITY (RQ): Ventilate the area. Wear appropriate protective clothing and chemically compatible

gloves. Absorb with appropriate sorbent material and place spillage in appropriate container for disposal according to local regulations. Do not use combustible materials as a sorbent. Report spills to the environment of any spill materials that

reach the RQ.

7. HANDLING AND STORAGE

Observe all federal, state and local regulations. 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 chemicals.

8. EXPOSURE CONTROLS/PERSONAL PROTECTIO

EXPOSURE CONTROLS: Use in a laboratory hood or other ventilated device. Use prudent laboratory

practices for handling chemicals.

EYE PROTECTION: Employees should wear splash proof safety goggles to prevent eye contact with this

substance.

CLOTHING: Employees should wear appropriate protective clothing 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 PROPERTIE

DESCRIPTION Clear liquid.

PH **7-9**

10. STABILITY AND REACTIVITY

REACTIVITY: Stable under recommended storage conditions

CONDITIONS TO AVOID Avoid contact with heat, sparks, flames or other sources of ignition.

INCOMPATIBILITIES: Strong oxidizing agents, strong acids, strong bases, metals

POLYMERIZATION: N/A

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY: Not Tested
ACUTE DERMAL TOXICITY: Not Tested
ACUTE INHALATION TOXICITY: Not Tested

CARCINOGEN STATUS: No information available.

LOCAL EFFECTS: No information available.

TARGET EFFECTS: No information available.

AT INCREASED RISK FROM No information available.

EXPOSURE:

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):

ACUTE AQUATIC TOXICITY: Not Tested

DEGRADABILITY: No data available.

LOG BIOCONCENTRATION

FACTOR (BCF):

No data available.

N/A

13. DISPOSAL CONSIDERATIONS

Observe all Federal, State and Local Regulations.

14. TRANSPORTATION INFORMATION

N/A

15. REGULATORY INFORMATION

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

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311-312 Hazards

Acute Health Hazard (HEPES)

Chemical	STATE	CAS-No	Revision Date
HEPES	Pennsylvania	7365-45-9	
	New Jersey	7365-45-9	

16. OTHER INFORMATION

POTENTIAL HEALTH EFFECTS:

INJECTION:

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
Short Term Exposure: No information available

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.