

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name: EzWay™ Direct PCR Buffer Set

Catalog Number: K0568002

Manufacturer: 19F, IS BIZ Tower, Yangpyeong-dong 5 ga 1-1, Yeongdeungpo-gu, Seoul 150-105, Korea

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MSDS#

Component/Item (and Parts number if listed)

5X EzWay™ Direct PCR Buffer, 500ul

2.5X Direct Lysis Buffer I, 1.5ml

1X Direct Lysis Buffer II, 1.5ml

4X Magic Buffer, 1ml

Section 2. Composition and Information on Hazardous (OSHA) Ingredients

Chemical Name	CAS-No.	Weight %
Glycerol	56-81-5	50
Sodium Hydroxide	1310-73-2	<0.1

All components of the mixture are water solution and they are considered non-hazardous according to the GHS.

Section 3. Hazards Identification

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

The product does not need to be labelled in accordance with EC directives or respective national laws.

Other hazards - none

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.

Primary Routes of Entry:

Skin Absorption (**No**); Dermal/skin contact (**No**); Eye contact (**No**); Inhalation (**No**); Ingestion (**No**); Chronic Exposure (**No**).

Skin or eye contact from splashes.

Medical Conditions Aggravated by Exposure: Not available.

Potential Acute Health Effects: Adverse health effects are not expected from the recommended use of this product.

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

Mutagenic Effects: Not available.

Teratogenic Effects: Not available.

Section 4. First Aid Measures

After skin contact

Wash skin with cold water for 15 min with soap and rinse thoroughly. Remove contaminated clothing. Get medical attention if irritating occurs.

After eye contact

Rinse opened eyes for 15 minutes under running cold water. Get medical aid immediately.

After swallowing (ingestion)

Rinse mouth. Drink plenty of water. Get medical aid. Do not induce vomiting.

After inhaling

Remove to fresh air. If breathing becomes difficult, call a physician.

Section 5. Fire Fighting Measures

Flammability of the Product: Not flammable.

Special protective equipment for firefighters: N/A

Flash Points: N/A

For research use only; not for use in diagnostic procedures

Section 6. Accidental Release Measures

Personal Precaution Procedures To Be Followed In Case of Leak or Spill

Evacuate area.

Procedure(s) of Personal Precaution(s)

Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

Methods for cleaning up

Sweep up, place in a bag and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7. Handling and Storage

Precautions for Safe Handling : No special measures necessary. Good laboratory technique should be used when handling. Do not get in eyes, on skin, on clothing.

Conditions of Storage: Keep tightly closed. Store in a cool dry place.

Section 8. Exposure Controls and Personal Protection

Components with workplace control parameter

KOSHA : N/A

US ACGIH : N/A

Engineering Controls

Safety shower and eye bath.

General Hygiene Measures

Wash contaminated clothing before reuse. Discard contaminated shoes. Wash thoroughly after handling.

Personal Protective Equipment

Respiratory Protection: Government approved respirator.

Hand Protection: Compatible chemical-resistant gloves.

Eye Protection: Chemical safety goggles.

Section 9. Physical and Chemical Properties

Appearance Physical State: liquid.

Color: no color

Form: water solution

Property Value At Temperature or Pressure

pH N/A

Flash Point N/A

Flammability N/A

Autoignition Temp N/A

Oxidizing Properties N/A

Explosive Properties N/A

Explosion Limits N/A

Partition Coefficient N/A

Viscosity N/A

Saturated Vapor Conc. N/A

Evaporation Rate N/A

Decomposition Temp. N/A

Solvent Content N/A

Water Content N/A

Surface Tension N/A

Conductivity N/A

Miscellaneous Data N/A

Solubility N/A

Section 10. Stability and Reactivity

Stability: Stable

Materials to avoid: No information available

Hazardous decomposition products: No information available

Polymerization: Hazardous polymerization does not occur

For research use only; not for use in diagnostic procedures

Section 11. Toxicological Information

Eyes: Mild eye irritation.

Skin: Mild skin irritation.

Inhalation: May cause irritation of respiratory tract.

Ingestion: Ingestion may cause irritation to mucous membranes.

Carcinogenic effects: Not applicable.

Mutagenic effects: Not applicable.

Reproductive toxicity: Not applicable.

Sensitization: Not applicable.

Target Organ Effects: No information available

Section 12. Ecological Information

Ecotoxicity effects No information available.

Mobility No information available.

Biodegradation Inherently biodegradable.

Bioaccumulation Does not bioaccumulate.

Section 13. Disposal Considerations

Substance Disposal

Contact a licensed professional waste disposal service to dispose of this material. Observe all federal, state, and local environmental regulations.

Section 14. Transport Information

IATA

Proper shipping name Not classified as dangerous in the meaning of transport regulations

Hazard Class No information available

Subsidiary Class No information available

Packing group No information available

UN-No No information available

Section 15. Regulatory Information

N/A.

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N/A - Not applicable or no information available.

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