



MSDS of the Western Blot Wash Buffer (WBWB) (JZ-011) Kit

1. Identification of the Product and the Undertaking

Product Name: **Western Blot Wash Buffer Kit**

Product Catalog#: **JZ-010**

MSDA#: **2001005**

In Case of Emergency: **CHEMTREC:**

800-424-9300

OUTSIDE US:

202-483-7616

Supplier and / or Manufacture Contact:

Jacksun Easy Biotech.

2316 Gunther Avenue

Bronx, New York 10469

Tel.: 718-502-6829

Fax: 718-513-0385

2. Hazards Identification

Physical State: **Liquid**

Odor: **Odorless**

OSHA/HCS Status: **This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200). This MSDS contains The information that is critical on the safe handling and proper use of the product. And the MSDS should be retained and available for employees and other user of the product.**

Emergency overview: **No any hazardous material.
Not expected to produce significant adverse health effects when the Recommended instructions for use are followed:
No known significant effects on any critical hazards present.
It should be allowed to be in the prolonged contact with eyes, skin.**

Potential Health Effect: **Acute effect**
Skin: **No known significant or critical effect.**
Eyes: **No known significant or critical effect.**
Inhalation: **No known significant or critical effect.**
Chronic effect: **No known significant or critical effect.**
Carcinogenicity: **No known significant or critical effect.**
Mutagenicity: **No known significant or critical effect.**
Teratogenicity: **No known significant or critical effect.**
Development effect: **No known significant or critical effect.**
Fertility effect: **No known significant or critical effect.**
Inhalation: **No specific data**
Ingestion: **No specific data**
Skin: **No specific data**
Eyes: **No specific data**

3. Composition/Information on Ingredient

There are no ingredient which, within the current knowledge of the supplier and in the concentrations applicable, Are classified as hazardous to health or the environment and hence require reporting in this section.



And the hazards identified with the integrant of the kits are not associated with the following substances:

Substance	Percent in these kits
Alcohol	None
Sodium azide	None
Thimerosal	None
2-Mercaptoethanol	None
DTT	None
Mammalian Genomic DNA	None
Any toxicity compounds	None

4. First aid measures

General Information: No special measures required.

First –aid measure:

Skin contact: There is not any damage metical for human body in this kit. So it shouldn't damage the skin when the skin is contaminated for less than 10-15 minutes. Flush the contaminated skin with clean water and remove contaminated.

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutew. Get medical attention if iirritation occurs.

Inhalation: Move exposed person to fresh air and keep person warm and at rest. Obtain the medical attention if There are symptoms occurring.

Ingestion: Wash out mouth with water. Move exposed person to fresh air and keep person warm and at rest. If Material has been swallowed and the exposed person is conscious. Give small quantities of water to Drink. Do not induce vomiting unless directed to do so by medical personnel. Obtain medical Attention if symptoms occur.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training.

5. Fire-fighting measures

Extinguishing Media

Suitable: Use an extinguishing agent suitable for the surrounding fire

Not suitable: None Known.

Special exposure hazards: In a fire or if heated. A pressure increase will occur and the container may burst Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any person risk or without suitable training.

Special protective equipment for fire-fighter: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus(SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental release measures

Personal precautions: Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Does not touch or walk through spill martial. Put on appropriate personal Protective the equipment.

Environmental precautions: Just use the water to clean the spilled area and material. It is unnecessary to do any special cleaning.

7. Handing and storage



Handing: Put on appropriate personal protective equipment. Eating, drinking and smoking should be prohibited in area where this material is handed, stored and processed. Workers should wash face and hands before eating, drinking and smoking.

Storage: Store in accordance with local regulation. Store in original container protected from direct sunlight, cool and well-ventilated area, away from incompatible material and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Packaging Materials recommended: Use original container.

8. Exposure control/personal protection

Exposure Limit values: Not available

Exposure controls

Occupational exposure controls:

Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosure, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Environmental exposure controls:

It is unnecessary to make special ventilation requirements. And it should be good to Work and to be used in the licensed biologic

9. Physical and chemical properties

Appearance

Physical status: Liquid.
Color: Clear Colorless.
Odor: Odorless
Solubility: Easily soluble in water.

10. Stability and reactivity

Chemical stability: The product is stable and no hazardous polymerization will occur under normal conditions of storage and use.

Conditions to avoid: No specific data.

Incompatible materials: No specific data.

Hazardous decomposition produce: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Possible of hazardous reaction: Will not occur.

11. Toxicological Information

Potential acute health effects:

Skin contact: No known significant effects or critical hazards
Eye contact: No known significant effects or critical hazards
Inhalation: No known significant effects or critical hazards
Ingestion: No known significant effects or critical hazards

Acute toxicity

Conclusion/ Summary: Not available

Potential chronic health effects:

Chronic effect: No known significant effects or critical hazards



Carcinogenicity:	No known significant effects or critical hazards
Mutagenicity:	No known significant effects or critical hazards
Reproductive toxicity:	No known significant effects or critical hazards
Developmental effects:	No known significant effects or critical hazards
Fertility effects:	No known significant effects or critical hazards

Over-exposure signs/symptoms:

Skin contact:	No special data.
Eye contact:	No special data
Inhalation:	No special data
Ingestion:	No special data

12. Ecological information

Environmental effects:	No known significant effect and/or critical hazards.
Aquatic eco-toxicity:	Not available
Conclusion/summary:	Not available
Other adverse effects:	No known significant effect.

13. Disposal consideration

Waste disposal:	General garbage in biologic research.
Hazardous Waste:	Within the present knowledge of the supplier, this products is not regarded as hazardous waste. And that was as defined by EU Directive 91/689/EEC.

14. Transport Information

General transport:	Regular chemical to be transported by land, air or maritime.
Hazardous transport:	As the non hazardous chemical on the transport processing

15. Regulation information

The product is not subject to identification to be as the regulation hazardous material.

Risk phrase: R21-harmful in contact with skin.

R20/21/22-harmful in contact with skin and if swallowed.

R34-causes burns.

R36/37/38-irritating to eyes, respiratory system and skin.

The material safety sheet is based on:

- (1) Directive 1999/45/EC of the European Parliament of The Council of 31 May 1999.
- (2) U.S Occupational Safety and Health Administration Code of Federal Regulation, Title 29, Parts 1910.

16. MSDS processing information

The MSDS issued by the Section of Customer Service Center.

For the MSDS to be contact by the Section of Customer Service Center

Revision: 1

End of the MSDS.