

## Material Safety Data Sheet

### Section 1. Product and Company Identification

**Product Name:** EzWay Cytokine ELISA Kit

**Catalog Number:** K133xxxx

**Manufacturer:** LABISKOMA

19F, IS BIZ Tower, Yangpyeongro 21gil 26Yeongdeungpo-gu, Seoul 07207, Korea

**Contact:** (Tel) 82-2-6245-5500 (Fax) 82-2-6248-8800 (E-mail) support@labiskoma.co.kr

**MSDS#**

**Component/Item (and Parts number if listed)**

Pre-Coated 96 well ELISA microplate

Detection Antibody

Standard Protein (Lyophilized)

Color development Enzyme (Liquid) : Streptavidin-HRP conjugate

Assay Diluting Solution : Blocking reagent in PBS

Color development Reagent : TMB solution

Stop Solution

Wash buffer

### Section 2. 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 3. Composition and Information of Ingredients

TMB substrate - This product contains 3,3',5,5'-Tetramethylbenzidine. Can cause eye and skin irritation. Wash all affected areas with large volumes of water. If swallowed consult your physician immediately. If inhaled remove to fresh air. If necessary, give artificial respiration by mouth-to-mouth.

Stop solution Stop solution (H2SO4) is a caustic material. Eye, hand, face, and clothing protection should be worn when handling this material.

Chemical name	IUPAC's name	CAS No.	Conc.(%)
Sulfuric Acid	Sulfuric acid	7664-93-9	<1
TMB	3,3',5,5'-Tetramethyl-4,4'-biphenyldiamine	54827-17-7	0.5
Proclean 300	Mixture of 5-Chloro-2-Methyl-4- Isothiazolin-3-One and 2-Methyl-4-Isothiazolin-3-One	96118-96-6	<0.01

## **Section 4. First Aid Measures**

**Skin:** Wash exposed skin with mild soap and water. Get medical attention if irritation develops or persists.

**Eyes:** Immediately flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention.

**Inhalation:** If breathing becomes difficult, move victim to fresh air. If irritation persists, get medical attention.

**Ingestion:** Do not induce vomiting. If affected person is conscious, give plenty of water to drink. Seek medical attention.

## **Section 5. Fire Fighting Measures**

**Flammability of the Product:** Not flammable.

**Special protective equipment for firefighters:** N/A

**Flash Points:** Non Flammable

## **Section 6. Accidental Release Measures**

**Personal precautions** Use personal protective equipment

**Methods for cleaning up** Soak up with inert absorbent material

## **Section 7. Handling and Storage**

**Handling** No special handling advice required

**Storage** Keep in properly labelled containers

## **Section 8. Exposure Controls and Personal Protection**

**Occupational exposure controls**

**Exposure limits**

**Engineering measures** Ensure adequate ventilation, especially in confined areas

**Personal protective equipment**

**Respiratory protection** In case of insufficient ventilation wear suitable respiratory equipment

**Hand protection** Protective gloves

**Eye protection** Safety glasses with side-shields

**Skin and body protection** Lightweight protective clothing

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls**

Prevent product from entering drains

## **Section 9. Physical and Chemical Properties**

**General Information**

**Form** Solid

**Important Health Safety and Environmental Information**

**Boiling point/range °C** No data available **°F** No data available

**Melting point/range °C** No data available **°F** No data available

**Flash point °C** No data available **°F** No data available

**Autoignition temperature °C** No data available **°F** No data available

**Oxidizing properties** No information available

**Water solubility** No data available

## **Section 10. Stability and Reactivity**

**Stability** Stable.

**Materials to avoid** No information available

**Hazardous decomposition products**

No information available

**Polymerization** Hazardous polymerisation does not occur

## Section 11. Toxicological Information

### Principle Routes of Exposure/ Potential Health effects

**Eyes** No information available

**Skin** No information available

**Inhalation** No information available

**Ingestion** No information available

### Specific effects

**Carcinogenic effects** No information available

**Mutagenic effects** No information available

**Reproductive toxicity** No information available

**Sensitization** No information available

**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

Dispose of in accordance with local 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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

## Section 16. Other Information

**Revision Date** : 2021-11-05

**Revision Note** : Not applicable.

### Notice to Reader

*The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.*

N/A - Not applicable or no information available.