



# Material Safety Data Sheet (MSDS)

## GENERIC EU MSDS ACCORDING TO REGULATION (EC) NO. 1907/2006

Version 2.2  
Revision Date 2014-08-21  
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NO COUNTRY SPECIFIC DATA

### **1. Name of compound/preparation and supplier**

- 1.1. Product Name:** EDN ELISA Kit  
**1.2. Product Number** ID09030  
**1.3. Company** Immuno-Biological Laboratories, Inc. (IBL-America)  
8201 Central Avenue NE, Suite P  
Minneapolis, MN 55432  
www.ibl-america.com  
**1.4. Telephone:** (888) 523-1246  
**1.5. E-mail address:** info@ibl-america.com  
**1.6. Emergency Phone #:** In the event of a medical emergency, please dial 911.

### **2. Composition / Declaration of components**

#### 2.1. Chemical characterization of the preparation:

Aqueous solution

#### 2.2. Dangerous ingredients

Component/ Reagent	Cas- Nr.	Content [%]	Classification
WASHBUF - ProClin 300-	55965-84-9	<0.05	R43
IDK Extract® - Sodium azide-	26628-22-8	0.019	T+ N, R28 R32 R50/53 S(1/2) S28 S45 S60 S61
ASYBUF -Sodium azide-	26628-22-8	0.019	T+ N, R28 R32 R50/53 S(1/2) S28 S45 S60 S61
STD -Sodium azide-	26628-22-8	0.019	T+ N, R28 R32 R50/53 S(1/2) S28 S45 S60 S61
CTRL -Sodium azide-	26628-22-8	0.019	T+ N, R28 R32 R50/53 S(1/2) S28 S45 S60 S61
WASHBUF -Triton X 100-	9002-93-1	0.09	Xi, R41R52/53 S26 S39 S61
SUB 3,3',5,5'- Tetramethylbenzidine	54827-17-7	0.02	Xn, R36-38 S26 S36
Stop -Sulphuric acid-	7664-93-9	2.0	Xi, R36/38 S (1/2) S26 S30 S45

Manufactured for:

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## **3. Potential risks**

**Risk classification:** No dangerous goods according to directive 67/548/EWG

## **4. First aid**

### **4.1. General:**

Symptoms of poisoning after swallowing may appear after hours. Therefore seek medical surveillance for at least 48 hours after the accident.

### **4.2. After contact with skin:**

Wash with plenty of water. Get medical aid.

### **4.3. After contact with eyes:**

Hold eyes open and rinse eyes thoroughly with clean water for several minutes. Get medical aid.

### **4.4. After swallowing:**

Rinse mouth thoroughly, apply plenty of water. Get medical aid.

## **5. Fire**

### **5.1. Appropriate extinguishing agent:**

The product itself is not flammable, adjust fire fighting actions to the requirements of the adjacent fire.

### **5.2. Danger derived from the product, its combustion products or gases:**

No specific risk reported.

### **5.3. Special protective devices:**

No special action required.

## **6. Involuntary release of product components**

### **Precautions related to humans:**

Avoid contact with eyes and skin.

### **Precautions related to the environment:**

Prevent entry into the drainage system. Dilute with plenty of water.

### **Procedure for cleaning up spills:**

Take up spill with adsorbents. Dispose contaminated material as stated in paragraph 12.

## **7. Handling and Storage**

### **7.1. Handling:**

Open and handle contents with caution. Avoid aerolizing and spilling.

### **7.2. Recommendations regarding danger from inflammation or explosion:**

No special precautions required

### **7.3. Storage:**

No special requirements for storage.

### **7.4. Recommendations for storage with other products:**

None applicable

### **7.5. Other Information regarding storage conditions:**

The unopened box should be stored at 2-8 °C

### **7.6. Classification according to the Ordinance of Inflammable Liquids (VbF):**

None applicable.

## **8. Exposure and personal precautions**

### **8.1. Components whose concentrations in air that need to be monitored with respect to their maximum allowable concentration at the work station:**

CAS-No.	Name	Mode	Value	Unit
26628-22-8	Sodium azide	MAC	0.2	mg/m <sup>3</sup>
7664-93-9	Sulphuric acid	MAC	1.0	mg/m <sup>3</sup>

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## 8.2. Personal precautions:

Observe general safety and hygiene precautions:  
Maintain the usual precautions during the handling of chemicals.  
Wear protective garments, keep away from food and beverages. Refrain from eating and drinking when handling the product. Wash hands thoroughly after handling the product and remove protective garments.

## 8.3. Inhalation protection:

Not required.

## 8.4. Protection of hands:

Wear protective gloves.

## 8.5. Protection of eyes:

Wear protective goggles.

## 9. Stability and Reactivity

9.1. Conditions to avoid: Not specified.

9.2. Substances to avoid: Not specified.

9.3. Dangerous reactions: Not specified.

9.4. Dangerous degradation products: Not specified.

9.5. Further specifications: Contains preservatives listed in paragraph 2.

## 10. Toxicology

### 10.1. Acute Toxicity

CAS-No.	Name	Mode	Value	Species
26628-22-8	Sodium azide	I-D <sub>50</sub> (Oral)	45 mg/kg	Rat
9002-93-1	Triton X 100	I-D <sub>50</sub> (Oral)	707 mg/kg	Rat
55965-84-9	ProClin 300	I-D <sub>50</sub> (Oral)	3723 mg/kg	Rat
54827-17-7	3,3',5,5'-Tetra methylbenzidine	I-D <sub>50</sub> (Oral)	316 mg/kg	Rat
7664-93-9	Sulphuric acid	I-D <sub>50</sub> (Oral)	2140 mg/kg	Rat

### 10.2. Further toxicological specificities:

Quantitative toxicological data are not available. It is known that a long-term exposition to mercurio-organic compounds results in neurological disorders/damage. Beware of resorption via the skin. Sensitive person may experience allergic reactions. Pregnant women should avoid exposure to this product.

### 10.3. Additional toxicological specificities:

This product has been classified according the classification procedure specified by the General Classification Guideline of the European Union in its current version:

**Harmful**

## 11. Ecological specifications

### 11.1. Aqueous Toxicity:

The reagents are in general also toxic for marine organisms.

### 11.2. General Specificities:

Water pollution class I (manufacturer's classification): low potential for water pollution.

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## **12. Disposal**

### **12.1. Product**

This product may not be disposed of with household garbage. Do not allow entry into the drainage system. Remaining chemicals or preparations are to be disposed of as toxic waste. Please observe locally applicable regulation concerning the disposal of toxic waste. Information regarding local disposal laws are available from the local authorities.

### **12.2. Uncleaned packaging:**

**Recommendation:** Dispose according to local laws.

**Recommended cleaning method:** Water; use cleaning agents if applicable.

## **13. Transport regulations**

### **13.1: Transport/ further remarks:**

Not classified as a hazardous good according to the guidelines specified above.

## **14. Regulations**

### **14.1. Labeling according to the EWG guidelines:**

This product has been classified and labeled according to the EU /GefStoffV and 67/548/EWG guidelines

## **15. Other specifications**

IBL-America provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. IBL-America makes no representations or warranties. Either express or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly, IBL-America will not be responsible for damages resulting from use of or reliance upon this information.

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