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## **Material Safety Data Sheet**

### **Section 1. Identification**

Chicken affinity purified polyclonal antibody preparations at 1mg/mL in 50% glycerol, 50% PBS plus 5mM sodium azide. Also total chicken IgY preparations typically at 20-30mg/mL plus 5mM sodium azide.

Component name: Sodium azide, added as preservative and antimicrobial agent.

Preparations: Purified IgY preparation or antigen affinity purified antibody produced in chicken. Sodium azide added as a preservative to a final concentration of 5mM.

Manufacturer:

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### **Section 2: Composition/Information on Ingredients**

Contains sodium azide at 5mM concentration.  
CAS Registry# 26628-22-8  
EEC# 247-852-1

### **Section 3: Hazards Identification**

Toxic if swallowed, contact with acids release toxic gas.

### **Section 4: First Aid Measures**

Eye Contact: irrigate thoroughly with water for several minutes.  
Skin Contact: wash skin thoroughly with water.  
Ingestion: Wash out mouth thoroughly with water and give plenty to drink

### **Section 5: Fire Fighting Measures**

Special risks: may explode if heated and may produce toxic fumes in fire  
Suitable extinguishing material are water spray, carbon dioxide, or fire retardant foams and powders.

## **Section 6: Accidental Release Measures**

Wear appropriate protective clothing and inform others to keep a safe distance. Spread soda ash, cat litter or other absorbent material over any spillage. Wash site of spillage thoroughly with water.

## **Section 7: Handling and Storage**

Avoid contact with copper, lead, mercury or other heavy metals which may react with this reagent to produce explosive compounds. Do not eat, drink or smoke while handling this material. Wash hands thoroughly after handling this material. Store at 4°C or lower temperatures. Keep container closed and protected from light and moisture.

## **Section 8: Exposure Controls/Personal Protection**

Respirator: Dust Respirator

Ventilation: Extraction hood

Gloves: Rubber or plastic surgical grade

Eye Protection: Goggles or face shield

Other precautions: Plastic apron, boots if handling large quantities

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

Form: solid

color: white

odor: odorless

Melting point: no data available

Boiling point: N/A

Density: no data available

Vapor pressure: N/A

Solubility in water: Very soluble

Flash point: no data available

Explosion limits: no data available

Ignition Temperature: no data available

## **Section 10: Stability and Reactivity**

Stable unless heated.

## **Section 11: Toxicological Information**

Ingestion causes irritation of mucous membranes of mouth, throat and gut. May be absorbed through skin.

Systemic effect: cardiovascular disorders, nervous system disorders, diarrhea, tiredness, kidney toxicity.

LD50 in rats = 27mg/kg oral.

No known evidence of oncogenicity.

## **Section 12: Ecological Information**

No data available.

## **Section 13: Disposal Considerations**

Contact a licensed professional waste disposal service to aid in the disposal of this material. Observe all relevant national, state and local environmental regulations.

## **Section 14: Transportation Information**

Contact EnCor Biotechnology Inc. for transport information

## **Section 15: Regulatory Information**

Labeling according to EEC directives

EC Index No: 011-004-00-7,

Symbol: T+ very toxic

R28: very toxic if swallowed

R32: releases toxic gas on contact with acids

S28: After contact with skin, wash immediately and extensively with soapy water

S45: If you feel unwell after contact with agent, seek medical aid immediately

S60: Treat this material and its container as hazardous waste for disposal purposes

S61: Avoid release into the environment

## **Section 16: Other Information**

The information in this MSDS sheet is believed to be accurate but is the responsibility of the user to determine the applicability of these data to safe usage practices. EnCor Biotechnology Inc. shall not be held responsible for any damage or injury resulting from the use of the above product or the information contained in this Material Safety Data Sheet. Certain of EnCor Biotechnology Inc. products contain a small amount of sodium azide, added as an antimicrobial agent. Even the ingestion of a whole aliquot would result in exposure to levels of this compound well below the level thought to be dangerous. Nevertheless, here are details of the toxicity of Sodium Azide.

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