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## **Material Safety Data Sheet for Chicken Antibodies**

### **Section 1. Identification**

Catalogue entries: CPCA-NF-H, CPCA-MAP2, CPCA-Vim, CPCA-GFAP, CPCA-NF-M, CPCA-NF-L, CPCA-a-Int, CPCA-Peri, CPCA-Fib, CPCA-mCherry, CPCA-HSP60, CPCA-SNCA and other EnCor chicken derived antibodies with catalog entry starting with "CPCA".

Product name: Chicken polyclonal antibody preparations

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

Preparations: Concentrated Immunoglobulin Y (IgY) preparations or purified antibody extracted from egg yolks. Sodium azide added to final concentration of 5mM.

Manufacturer:

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

Contains sodium azide at a maximum of 10mM 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 number of EnCor Biotechnology Inc. products contain a small amount of sodium azide, added as an antimicrobial agent. The concentration is at a maximum of 10mM, so that the amount that could possibly be ingested from an entire aliquot of the largest size, currently 500mL, would be 5  $\mu$ moles. 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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