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Material Safety Data Sheet

Section 1. Identification

Mouse monoclonal antibody preparations at 1mg/mL in 50% glycerol, 50% PBS plus 5mM sodium azide. Also mouse concentrated tissue culture supernatants plus 5mM sodium azide. Also mouse ascites fluid preparations plus 5mM sodium azide.

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

Preparations: Ascites fluid, concentrated tissue culture supernatant or purified antibody originally produced in mice using hybridoma technology. 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. The concentration is at a maximum of 5mM, so that the amount that could possibly be ingested from an entire aliquot of the largest size, currently 100 μ L, would be 0.5 μ mol. 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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