

**I. Identification:**

Product Name: Anti-SMAD4(D351H) Mouse Monoclonal Antibody

Catalog Number: 26418

Manufacturer Supplier: NewEast Biosciences, 1150 First Avenue, Suite 501, King of Prussia, PA 19406 (610) 945-2007

**II. Composition/Information on Ingredients:**

Water	CAS# 7732-18-5
Sodium Azide 0.02%	CAS# 26628-22-8
Sodium Chloride < 1%	CAS# 7647-14-5
Sodium Phosphate < 1%	CAS# 7558-79-4
Glycerol 50%	CAS# 56-81-5

**III. Hazard Identification:**

Emergency Overview of Hazardous ingredient: Sodium azide (CAS# 26628-22-8)

Caution: Avoid contact, ingestion and inhalation.

Target Organ: Kidneys, liver, skin.

**IV. First Aid Measures:**

Inhalation: If inhaled, remove to fresh air. If breathing is difficult, get medical attention.

Ingestion: If swallowed and person is conscious, rinse out mouth with water. Get medical attention.

Skin Exposure: In case of contact, wash skin with soap and water.

Eye Exposure: In case of contact with eyes, immediately flush eyes water for at least 15 minutes. Get medical attention.

**V. Fire Fighting Measures:**

Flash Point: Data not available.

Autoignition Temperature: Data not available.

Fire Extinguishing Media: Water spray, dry chemical, foam, or carbon dioxide.

Firefighting: Wear protective clothing and self-contained breathing apparatus to prevent contact with skin and eyes.

**VI. Accidental Release Measures:**

Absorb liquid with an absorbent material.

Transfer contaminated absorbent to a chemical waste container for disposal.

**VII. Handling and Storage:**

Avoid inhalation and contact with eyes and skin.

Avoid prolonged or repeated exposure.

Store at -20°C in tightly closed container.

**VIII. Exposure Controls/Personal**

Engineering Controls: Maintain adequate ventilation, eye wash and quick-drench facilities in work area.

Personal Protective Equipment: Lab coat, chemical

resistant gloves and chemical safety glasses.

Occupational Exposure Limits: Data not available.

**IX. Exposure Controls/Personal Protection:**

Physical State: Colorless liquid.

Odor: Odorless.

Boiling Point: Data not available.

Melting Point: Data not available.

Volatile Organic Compound: Data not available.

Solubility in Water: Readily miscible in water.

**X. Stability and Reactivity:**

Stability: Stable.

Hazardous Decomposition: May form carbon dioxide and carbon monoxide.

Conditions to Avoid: Strong oxidizing agents

**XI. Toxicological Information:**

May cause skin irritation.

May be toxic if absorbed through skin or ingested.

May cause eye irritation.

Target Organs: Kidneys, liver, skin

Prolonged exposure may cause nausea, headache, and vomiting.

**XII. Ecological Information:**

Data not available.

**XIII. Disposal Considerations:**

Dispose of in accordance with federal, state and local environmental regulations.

**XIV. Transport Information:**

DOT: This substance is considered non-hazardous for transport.

IATA: This substance is considered non-hazardous for air transport.

**XV. Regulatory Information:**

Substances of Very High Concern: None.

Restricted Substances under EC 1907/2006, Annex XVII: None.

Substances Listed under Annex I of Regulation (EC) No 689/2008: None.

Restricted Substances under Annex V of Regulation (EC) No 689/2008: None.

Substances under Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on Persistent Organic Pollutants and Amending Directive 79/117/EEC: None.

German Water Hazard Classes (Wassergefährdungsklassen): Not classified.

Note: The above information is believed to be correct but should only be used as a guide for experienced personnel. NewEast Biosciences will not be liable for any damage resulting from the handling of or from contact with the



## Materials Safety Data Sheet (MSDS)

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above product.

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