



Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH), Annex II

Trade Name: MAb to ACTH N-Terminal
Material. No.: E54057M
Specification: E54057M

Version: 1.0
Page: 1 of 5

Revision: 002
Revision Date: 28 MAY 2015

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY UNDERTAKING

Identification of the Substance or Preparation: Monoclonal Antibody to Human Adrenocorticotrophic Hormone (ACTH) N-terminal, Catalog # E54057M supplied in Phosphate Buffered Saline (PBS, pH 7.2.

REACH Registration No: Not Applicable

Use of the Substance / Preparation:

Identified Use(s): For *in vitro* laboratory use. For professional use only.

Company Undertaking Identification:

Meridian Life Science, Inc.
5171 Wilfong Road
Memphis, TN 38134 U.S.A.
901-382-8716

E-Mail: info@meridianlifescience.com

EMERGENCY TELEPHONE: US – 1-800-424-9300
International – 1-703-527-3887

2. HAZARDS IDENTIFICATION

Classification: Void

Information Pertaining to Special Dangers for Human and Environment:

This mixture does not require labeling, based on the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest version. This mixture is not classified as hazardous according to the EC Dangerous Preparations Directive (1999/45/EC) or EC 1272/2008 (CLP).

Classification System:

The classification is in alignment with current EC (European Community) Directives. It is expanded with information from technical literature.

Physical Hazards: Not classified as a physical hazard.

Health Hazard: Not classified as a health hazard.

Environmental Hazard: Not classified as environmental hazard.

Precautionary Statements: The chemical, physical and toxicological properties of this mixture have not been thoroughly characterized. Avoid contact with eyes and skin. Do not inhale. This mixture contains material of animal origin and should be considered as potentially capable of transmitting infectious disease.

Potential Health Effects:

Inhalation: No data available. May cause coughing or mild irritation.

Eyes: No data available. May cause temporary eye irritation.

Skin: No data available. Prolonged skin contact may cause redness and irritation.

Ingestion: No data available. May cause discomfort if swallowed.

Chronic Effects: No data available.

Target Organs: No data available.



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Specification: E54057M

Version: 1.0
Page: 2 of 5

Revision: 002
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3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization (Hazardous Chemical Ingredients):

Chemical Name	EC-No.	Index-No.	CAS-No.	%	Classification	Labeling
					Symbol	R-Phrases
Sodium Azide	247-852-1	011-004-00-7	26628-22-8	0.09	None	None

Dangerous Components According to EC Criteria: None

Additional Information: For wording of the listed risk phrases, refer to Section 16.

4. FIRST AID MEASURES

In Case of Inhalation: Risk of inhalation is minimal. In case of inhalation of spray mist, move person into fresh air and keep at rest. Get medical attention if any discomfort continues.

In Case of Skin Contact: Risk of skin contact is minimal. Promptly wash contaminated skin with water. Promptly remove clothing if soaked through and wash the skin with water. Get medical attention if any discomfort continues.

In Case of Eye Contact: Risk of eye contact is minimal. Promptly wash eyes with plenty of water while lifting the eye lids. Make sure to remove any contact lenses from the eyes before rinsing. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

In Case of Ingestion: Risk of ingestion is minimal. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Self-Protection of the First Aider: Follow company specific safety procedures.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: This product is not flammable. Use extinguishing media suitable for surrounding fire, such as carbon dioxide, chemical foam, dry chemical or water spray.

Extinguishing Media Which Must Not Be Used for Safety Reasons: Unknown.

Special Exposure Hazards Arising From the Substance or Preparation Itself, Combustion Products, Resulting Gases: None under normal conditions. No unusual fire or explosion hazards noted.

Special Protective Equipment for Fire-Fighters: Fire fighters should wear NIOSH-approved or self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: See Section 8.

Environmental Precautions: This product contains a small amount of sodium azide which can react with copper, lead, brass or solder in plumbing system and form potentially explosive metal azides. Follow proper disposal procedures.

Methods for Cleaning Up: Absorb spill with inert material/absorbent. Decontaminate the spill site following standard procedures. Do not allow to enter drains, sewers or watercourses. Dispose of waste in accordance with all applicable federal, state, local and provincial environmental regulations per Section 13.



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Trade Name: MAb to ACTH N-Terminal
Material. No.: E54057M
Specification: E54057M

Version: 1.0
Page: 3 of 5

Revision: 002
Revision Date: 28 MAY 2015

7. HANDLING AND STORAGE

Handling: Follow good laboratory hygiene practices. See Section 8, Engineering Controls. Minimize contact and contamination of personal clothing and skin. Wash hands and contaminated areas with water and soap before leaving the work site.

Storage: Short term store at 2-8°C. Long term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles. Store in original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limit Values:

IOELV (EU) Short-Term Value: 0.3 mg/m³ (Sodium Azide)
Long-Term Value: 0.1 mg/m³ (Sodium Azide)

Exposure Controls: This product is not expected to require special ventilation controls. Facilities storing or using this product should be equipped with an eyewash fountain.

Personal Protection Equipment:

Respiratory Protection: A respirator is not expected to be required under normal conditions of use.

Hand Protection: Wear chemical resistant protective gloves.

Eye Protection: Wear appropriate protective safety eye glasses or goggles.

Body Protection: Wear lab coat or other protective garments. Remove contaminated clothing promptly.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Liquid

Physical State: Liquid

Color: Varying

Odor: No Characteristic Odor

Parameter	Value
pH (20°C):	7.2 to 7.4
Melting Point/Range (°C):	Not Determined
Boiling Point/Range (°C):	< 100 @ 760 mm Hg
Flash Point (°C):	Not Determined
Ignition Temperature (°C):	Not Determined
Vapor Pressure (°C):	Not Determined
Density (g/cm ³):	Not Determined
Bulk Density (kg/m ³):	Not Determined
Water Solubility (20°C in g/L):	Not Determined
Partition Coefficient n-Octanol/Water (log Po/w):	Not Determined
Viscosity, Dynamic (mPa s):	Not Determined
Dust Explosion Hazard:	Not Determined



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Specification: E54057M

Version: 1.0
Page: 4 of 5

Revision: 002
Revision Date: 28 MAY 2015

10. STABILITY AND REACTIVITY

Reactivity: Unknown. No specific reactivity hazards associated with this product.

Stability: Stable under ordinary conditions of storage and use.

Conditions to Avoid: Avoid exposure to high temperature or direct sunlight.

Materials to Avoid: Avoid strong acids.

Hazardous Decomposition Products: None expected under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Routes of exposure may include inhalation, skin absorption, and eye and skin contact.

Acute Toxicity: Not determined.

Irritant and Corrosive Effects: Not determined.

Sensitization: No data available.

Carcinogenicity: Not determined. None of the components in this product at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA, or ACGIH as a carcinogen.

Mutagenicity: No data available.

Reproductive Effects: Not determined.

Teratogenicity: No data available.

Additional Toxicological Information: This product is not subject to classification, according to the calculation method of the General EC Classification Guidelines for preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects according to our experience and information available to us.

12. ECOLOGICAL INFORMATION

Ecotoxicity: There is no data on the ecotoxicity of this product.

Mobility in Environmental Compartments: This product is soluble in water.

Adsorption/Desorption: No data available.

Persistence and Degradability: There is no data on the degradability of this product..

Physical- and Photo-Chemical Elimination: No data available.

Biodegradation: No data available.

Bioaccumulative Potential: No data available on bioaccumulation.

13. DISPOSAL CONSIDERATIONS

Appropriate Disposal / Product: This product contains a small amount of sodium azide (0.09%) which can react with copper, lead, brass or solder in plumbing systems and form potentially explosive metal azides. If the product enters drain, flush with a large volume of water to prevent azide build-up. Dispose of unused product, spilled substance and waste in accordance with all applicable federal, state, local and provincial environmental and waste regulations.



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Page: 5 of 5

Revision: 002
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14. TRANSPORT INFORMATION

Land Transport (ADR/RID/GGVSE): Not restricted. Not regulated as hazardous goods.

Sea Transport (IMDG-Code/GGVSee): Not restricted. Not regulated as hazardous goods.

Air Transport (ICAO-IATA/DGR): Not restricted. Not regulated as hazardous goods.

15. REGULATORY INFORMATION

EU Regulations:

Chemical Name	EC-No.	Index-No.	CAS-No.	%	Classification	Labeling
					Symbol	R-Phrases
Sodium Azide	247-852-1	011-004-00-7	26628-22-8	0.09	None	None

Chemical Safety Assessment: Observe general laboratory safety regulations when handling chemicals. This product is not subject to identification regulations under EC Directives.

16. OTHER INFORMATION

Exposure Scenarios:

Routes of exposure may include inhalation, skin absorption, and eye and skin contact.

Exposure Controls:

Observe general laboratory safety regulations when handling chemicals. This product is not expected to require special ventilation controls. Facilities storing or using this product should be equipped with an eyewash fountain.

Personal Protection Equipment:

Respiratory Protection: A respirator is not expected to be required under normal conditions of use.

Hand Protection: Wear chemical resistant protective gloves.

Eye Protection: Wear appropriate protective safety eye glasses or goggles.

Body Protection: Wear lab coat or other protective garments. Remove contaminated clothing promptly.

This Safety Data Sheet (SDS) was prepared in accordance with the hazard criteria and content requirements of the EU Dangerous Substances Directive (67/548/EEC), Dangerous Preparations Directive (1999/45/EC), the Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) ((EC) No 1907/2006) and EC 1272/2008 Classification, Labeling, Packaging (CLP). These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The information contained in this SDS is believed to be accurate but does not purport to be all inclusive and should be used only as a guide for experienced personnel. It is the responsibility of the user or supplier to determine the applicability of the data to the formulation of necessary safety precautions. Meridian Life Science, Inc. shall not be held liable for any damage resulting from the use of the above product or the information contained in this SDS.