

**MATERIAL SAFETY DATA SHEET**

Created: September 28, 2011

Revised: February 1, 2012

**1. Identification of the Substance/Mixture of the Company/Undertaken**

<b>Product Name</b>	Anti-PSMA (Human) mAb-PE
<b>Catalog No.</b>	K0142-5
<b>Manufacturer</b>	Medical & Biological Laboratories (MBL) Co., Ltd. KDX Nagoya Sakae Bldg. 10F 4-5-3 Sakae, Naka-ku, Nagoya 460-0008, Japan TEL: +81-265-76-4999 (9 AM to 5 PM JST; Hiroshi Takatoya) FAX: +81-265-76-1964 E-mail: takatoya.hiroshi@mbl.co.jp
<b>Supplier</b>	MBL International Co. 4 H Constitution Way Woburn, MA 01801, USA TEL: +1-800-200-5459 x1113 (Dr. Bindi M. Doshi: Technical Service Manager) FAX: +1-781-939-6963 E-mail: bindi.doshi@mblintl.com
<b>Intended Use</b>	For Research Use Only

**2. Hazards Identification**

<b>GHS Classification</b>	N/A
<b>Symbol</b>	No Symbol
<b>Signal Word</b>	N/A
<b>Hazard Statement</b>	N/A

**3. Composition/Information on Ingredients**

<b>Chemical Identity</b>	
<b>Substance / Mixture</b>	Mixture
<b>Hazardous Ingredients</b>	Sodium azide included as preservative.
<b>Synonyms</b>	Smite, Azide, Azium
<b>Concentration</b>	0.09% (Not hazardous at this concentration)
<b>Formula</b>	NaN <sub>3</sub>
<b>Molecular Weight</b>	65.02
<b>CAS No.</b>	26628-22-8
<b>EC No. (EINECS)</b>	247-852-1
<b>EC Index No.</b>	011-004-00-7

**4. First-aid Measures**

<b>After Inhalation</b>	Supply fresh air, consult doctor in case of complaints.
<b>After Skin Contact:</b>	Immediately wash skin with water and soap and rinse thoroughly.
<b>After Eye Contact</b>	Immediately rinse opened eye for several minutes under running water. Then consult a doctor.
<b>After Swallowing</b>	Rinse mouth with water. Seek medical attention and appropriate follow-up.

**5. Fire-fighting Measures**

<b>Suitable Extinguishing Agents</b>	Non-flammable aqueous solution.
<b>Protective Equipment</b>	No special measures required.

**6. Accidental Release Measures**

<b>Personal Precautions</b>	Use standard laboratory practices including proper personal protective equipment in order to avoid direct contact with material and wash after handling.
<b>Procedures for Cleaning/absorption</b>	Absorb liquid with liquid-binding material. Dispose contaminated material as waste according to item 13.
<b>Ventilation</b>	No special ventilation is necessary.
<b>Environmental Precautions</b>	N/A

**7. Handling and Storage**

<b>Handling</b>	No special measures required. No special precautions are necessary if used correctly. Do not inhale and ingest.
<b>Storage</b>	Store at 4°C preferably in the dark.

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**8. Exposure Controls and Personal Protection**

<b>Control Parameters</b>	None known.
<b>Protective Equipments</b>	Follow usual standard laboratory practices. The use of latex gloves, safety glasses and protective work clothing is recommended. Respiratory protection is not required.
<b>Hygiene Measures</b>	Do not eat, drink or store food and beverages in areas where chemicals are used. Wash hands before breaks and at the end of the work shift.

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**9. Physical and Chemical Properties**

<b>Physical Data</b>	
<b>Form</b>	Solution
<b>Color</b>	Colorless
<b>Odor</b>	Odorless
<b>pH</b>	Neutral
<b>Boiling Point/Boiling Range</b>	Not determined.
<b>Flash Point</b>	No data.
<b>Flammability</b>	Not flammable.
<b>Explosive Properties</b>	No explosion hazard.
<b>Oxidizing Properties</b>	Not determined.
<b>Vapor Pressure</b>	No data.
<b>Evaporation Rate</b>	Not determined.
<b>Relative Density</b>	Not determined.
<b>Solubility in /Miscibility with Water</b>	Soluble/miscible.
<b>Partition Coefficient</b>	Not determined.
<b>Viscosity</b>	Not determined.

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**10. Stability and Reactivity**

<b>Chemical Stability</b>	Stable at 4°C or less.
<b>Reactivity</b>	This product contains low concentration of sodium azide (0.09%). Sodium azide can form explosive compounds with heavy metals and may result in the build up of shock-sensitive compounds. Sodium azide reacts with the acid and a poisonous and explosive hydronitric acid may be generated.
<b>Thermal Decomposition/conditions to be Avoided</b>	No decomposition if used according to specification.
<b>Incompatible Materials to be Avoided</b>	Acid, metals and metallic compounds.
<b>Hazardous Decomposition Products</b>	No dangerous decomposition products known.

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**11. Toxicological Information**

<b>Acute Toxicity</b>	Not known.
<b>Skin Irritant Effect</b>	Not known.
<b>Eye Irritant Effect</b>	Not known.
<b>Chronic Toxicity</b>	Not known.
<b>Sensitization</b>	Not known.
<b>Mutagenicity</b>	Not known.
<b>Teratogenicity</b>	Not known.
<b>Reproduction Toxicity</b>	Not known.

\*The product is not subject to classification according to GHS ver. 3.

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**12. Ecological Information**

<b>Ecotoxicity</b>	Not determined.
<b>Biodegradability</b>	Not determined.
<b>Mobility</b>	Not determined.

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**13. Disposal Considerations**

<b>Waste</b>	Dispose as special waste in compliance with applicable national, regional or local regulations.
<b>Empty Packaging</b>	Dispose in compliance with applicable national, regional or local regulations.

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**14. Transport Information**

<b>UN No.</b>	None.
<b>Transport Regulations</b>	Transportation of the product is not regulated according to the definition of hazardous in US DOT, IMDG, IATA, ICAO, Canadian TDG, or European ADR.
<b>Indicate Precaution</b>	Store at 4°C.

**Other Information**

Protect from direct sunlight and high temperature. Avoid damaging containers.

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**15. Regulatory Information**

The product does not contain a hazardous ingredient in an amount that requires identification and labeling according to European guidelines accordance with EEC directives (67/548/EEC, 99/45/EEC). The product is exempt from WHMIS requirements in Canada.

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**16. Other Information**

The information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The information in this document is intended only as a guide to the appropriate precautionary handling of this material by a person trained in, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and danger of this chemical material in his application. MBL shall not be held responsible for any damage resulting from the use of the above product or the information contained in this Material Safety Data Sheet. Since conditions and manner of use are outside of our control, MBL can assume no liability in connection with any use of this information.