

MATERIAL SAFETY DATA SHEET/SAFETY DATA SHEET

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

This Material Safety Data Sheet (Safety Data Sheet) is for the following products:

Manufacturer: National blood centre, The Thai Red Cross Society

1871 Henry Dunant road, Patumwan, Bangkok 10330, Thailand

contact : +66 2263 9600-99 # 1700

Emergency contact: as above, during office hours.

Product name	Size (mL)/Bottle
Anti-A (Murine MoAb)	10
Anti-B (Murine MoAb)	10
Anti-AB (Murine MoAb)	10
Anti-A ₁ (Murine MoAb)	10

2. HAZARDS IDENTIFICATION

Hazard pictogram: GHS07



Warning: H302 Harmful if swallowed

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

P264 Wash hands thoroughly after handling

P270 Do not eat, drink or smoke when using this product

P281 Use personal protective equipment as required

Hazardous Material Identification System (HMIS III)

Chemical Name	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	B

Symbol: Xn R-Phrase: 22 S-Phrases: N/A

Precautions

Inhalation: May cause irritation to respiratory tract and mucous membranes, sore throat, coughing, dizziness, shortness of breath and fainting. May be absorbed through inhalation.

Ingestion: May cause breathlessness, pulmonary edema and rapid heartbeat within 5 minutes. Nausea, vomiting, headache, restlessness and diarrhea may occur within 15 minutes. Other symptoms may include low blood pressure, abnormal breathing, reduced body temperature, reduced body pH, convulsions, collapse and death.

Eye Contact: Causes irritation, redness, pain and blurred vision.

Skin Contact: Causes redness, irritation and pain. May be absorbed through skin.

Acute Toxicity, oral, Category 4

3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition : Antisera contain dyes

Sodium Azide: 0.1%

Other non-hazardous ingredients: (up to 100%)

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: DO NOT induce vomiting unless directed by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Skin Contact: Wipe off affected area and flush with plenty of soap and water for 15 minutes. Remove contaminated clothing and shoes. Seek medical attention. Wash clothing and shoes thoroughly before reuse.

Medical Conditions Possibly Aggravated: None known.

5. FIRE-FIGHTING MEASURES

Estimated Explosive Limits (% By volume in air): Lower Explosive Limit: N/A Upper Explosive Limit: N/A

Flash Point: N/A

Autoignition Temperature: N/A

Fire and Explosion Hazards: N/A

Extinguishing Media: Use appropriate extinguishing media for surrounding fire: dry chemical, carbon dioxide, water spray or regular foam.

Special Fire Fighting Procedures: Wear appropriate personal protective equipment. Fight fires only if properly trained. Move containers from fire area if it can be accomplished without risk. Use water to keep containers cool. Dike fire control water.

Unusual Fire and Explosion Hazards: Avoid breathing vapors or dusts. Keep upwind.

Hazardous Decomposition Products: Not determined.

6. ACCIDENTAL RELEASE MEASURES

Action to Be Taken If Material Is Released or Spilled: Remove all sources of ignition. Do not touch spilled material. Stop the release if you can do it without risk. Isolate the area and deny entry. Absorb the spill and place used absorbent material into approved containers for later disposal. Decontaminate the area with an approved disinfectant. Cover the area with paper towels and pour disinfectant over the area. Wipe the area until clean and dry.

7. HANDLING AND STORAGE

Handling: Food and drink should not be consumed, nor tobacco products used, nor cosmetics applied in areas where chemicals are stored or handled.

Storage: Store away from incompatible substances. Store in tightly closed containers. Avoid contact with open wounds and body fluids. Wash thoroughly after handling and before eating, drinking or smoking. Observe federal, state and local regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below permissible air concentrations.

Eye/Face Protection: Use chemical safety goggles and/or full face shield where splashing of the solution is possible. Maintain eyewash fountain and quick drench facilities in the work area.

Skin Protection: Clothing such as gowns, aprons, or lab coats should be worn when working with this material. Protective gloves should be worn while handling materials and/or surfaces, which are potentially infectious.

Respiratory Protection: A NIOSH/MSHA approved respirator should be worn where airborne exposures may exceed OSHA/ACGIH exposure limits.

Other/General Protection: Hood, surgical caps, boots and shoe covers should be worn in areas with significant quantities of infectious materials.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Odour: Odourless

pH and Colour:

Product name	pH	Colour
Anti-A (Murine MoAb)	6.9 – 7.1	Clear, Sky blue
Anti-B (Murine MoAb)	6.9 – 7.1	Clear, Yellow Lemon
Anti-AB (Murine MoAb)	6.9 – 7.1	Clear, Strawberry red
Anti-A ₁ (Murine MoAb)	6.9 – 7.1	Clear, Pea green

Solubility in Water: N/A

Flammability: Not combustible

10. STABILITY AND REACTIVITY

Stability: Stable under normal storage and handling conditions.

Conditions to avoid: Heat

Materials to avoid: Avoid contact of the products with lead and copper (plumbing metals), mercury, acids, and oxidising agents.

Hazardous decomposition products: Stable when stored and used as directed. Thermal decomposition products

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: Sodium azide

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.
