

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, Thai Red Cross Society

1871 Henry Dunant road, Pathumwan, Bangkok 10330, Thailand

contact: +66 2263 9600-99 # 1700

Emergency contact: as above, during office hours.

Product name	Size (mL)/Bottle
Elsever's solution (For Red Blood Cells Suspension)	400
	2,000

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

- **Regulation (EC) No. 1272/2008 (CLP):** Not classified as hazardous for supply/use.

2.2 Label elements: According to Regulation (EC) No. 1272/2008 (CLP)

- **Hazard Pictogram:** None assigned

- **Signal Word:** None assigned

- **Hazard Statement:** None assigned

- **Precautionary Statement:** None assigned

2.3 Other hazards: None known.

3. COMPOSITION / INFORMATION ON INGREDIENTS

A solution of Sodium Chloride, Dextrose, Citric acid, Tri-sodium citrate and Inosine in water, containing 0.034% Chloramphenicol and 0.01% Neomycin sulfate as preservatives.

4. FIRST AID MEASURES

Inhalation: Remove from exposure. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Keep warm and at rest. Get medical advice/attention if you feel unwell.

Ingestion: Rinse mouth. Give plenty of water to drink. Do not give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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.

Most important symptoms and effects, both acute and delayed: None known.

Indication of any immediate attention and special treatment needed: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Non-flammable. As appropriate for surrounding fire. Water spray, foam, dry powder or CO₂. Do not use water jet. Direct water jet may spread the fire.

Special hazards arising from the substance or mixture: Combustion or thermal decomposition will evolve toxic vapours.

Advice for fire-fighters: Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Avoid all contact. Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Action to Be Taken If Material Is Released or Spilled: Ensure adequate ventilation. Avoid all contact. Ensure suitable personal protection during removal of spillage. Avoid release to the environment. Absorb spillage in suitable inert material. Transfer to a lidded container for disposal or recovery. Ventilate the area and wash spill site after material pick-up is complete.

7. HANDLING AND STORAGE

Handling: Avoid all contact. Use personal protective equipment as required. Ensure adequate ventilation. Keep good industrial hygiene. Wash hands thoroughly after handling. Contaminated clothing should be thoroughly cleaned.

Storage: Keep only in the original container/package in a well-ventilated place. Keep away from food, drinks and animal food. Storage temperature is 2 to 8 °C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

- **Occupational Exposure Limits:** None assigned.

- **Biological limit value:** Not established.

- **PNECs and DNELs:** Not established.

8.2 Exposure controls

- **Engineering Controls:** Ensure adequate ventilation. Good hygiene practices and housekeeping measures.

- **Individual protection measures, such as personal protective equipment:** Use personal protective equipment as required. Avoid all contact. Keep good industrial hygiene. Wash hands before breaks and after work. Keep work clothes separately. Wash contaminated clothing before reuse. Do not eat, drink or smoke at the work place.

- **Eye/Face Protection:** Not normally required. Wear eye protection with side protection.

- **Skin Protection:** Prolonged, direct contact should wear impervious gloves.

- **Respiratory Protection:** Not normally required. In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory equipment should conform to the appropriate EN standard.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear and Colorless liquid.

pH: 6.80 – 7.20

Osmolality: 0.350 – 0.410 Osmol/kg

Sodium: 147.0 – 173.0 mmol/L

Solubility in Water: Miscible with water.

Flash Point: Not established.

Vapour Pressure (kPa): Not established.

Viscosity: Not established.

Decomposition Temperature: Not established.

10. STABILITY AND REACTIVITY

Stability: Stable under normal storage and handling conditions. Stable for 18 months after the date of production when stored at between 2 to 8 °C

Conditions to avoid: Keep away from heat, sources of ignition and direct sunlight.

Materials to avoid: Strong acids, strong oxidizing agents.

Hazardous decomposition products: Combustion or thermal decomposition will evolve toxic vapours.

11. TOXICOLOGICAL INFORMATION

Acute Effects: Under normal circumstances and use, these products are unlikely to be acutely toxic.

Skin Sensitisation: Under normal circumstances and use, these products are unlikely to sensitise skin.
