

Material Safety Data Sheet (MSDS)

1. Identification of substance

Product name: **Eurotrol HemoTrol**
Product code: **Level 1: REF 171.001.002**
Level 2: REF 171.002.002
Level 3: REF 171.003.002
Manufacturer: Eurotrol B.V., Keplerlaan 20, 6716 BS, Ede, The Netherlands.

For **customers in North and South America**: in emergency call **+1-978-598-3779** for further information.

For **Rest of the World**: in emergency call **+31 318 695777** for further information.

2. Components

Physiological buffered solution containing small amounts of a stroma free purified hemoglobin solution of bovine origin.

3. Hazardous characteristics

According to applicable regulations, this product does not contain chemical ingredients classified as hazardous or in sufficient concentrations to classify the product as hazardous. This product contains no hazardous ingredients with concentration >1% m/v or carcinogens with concentration >0.1% m/v.

Inhalation: N/A
Skin Contact: Skin contact may cause irritation.
Eye Contact: May cause irritation if in contact with eye.
Ingestion: Though not a likely route of occupational exposure, ingestion of this product may cause choking, vomiting or nausea.

4. Emergency first aid procedures

Inhalation: N/A
Skin contact: Normal hygiene
Eye contact: Rinse with plenty of water for >5 minutes
Ingestion: Get medical attention

5. Actions in case of fire

Not flammable, follow general fire fighting procedures.

6. Actions in case of spill of material

In case of spill of material clean with water. Use an absorbent material to contain/pick up the spilled solution. Place all contaminated disposables into a suitable container, seal, label and hold for disposal.

7. Handling and storage

Handling:
Follow Good Laboratory Practice

Storage:

Store dropper bottles as directed in the package insert.

8. Limitation of the exposure / personal protective measures

Follow Good Laboratory Practice

9. Physical / chemical characteristics

pH	~7 (neutral)
Boiling point (°C)	~100°C/~212°F
Melting point (°C)	~0°C/~32°F
Decomposition temperature (°C)	~70°C/~158°F
Flash-point (°C)	Not flammable.
Spontaneous combustion temp (°C)	N/A
Combustibility (solid, gas)	N/A
Explosive characteristics	N/A
Explosion limits	N/A
Oxidizing characteristics	N/A
Vapor pressure (kPa)	N/A
Vapor density	N/A
Appearance	Transparent, reddish
Odour	None
Physical state	Liquid
Solubility in water	Soluble

10. Stability and reactive hazard data

Store vials as directed in the package insert.
Product is chemically stable when properly stored.
No hazardous decomposition products are known.
Conditions to avoid: Freezing or boiling the product

11. Toxicological information

According to applicable regulations, this product does not contain chemical ingredients classified as hazardous or in sufficient concentrations to classify the product as hazardous. This product contains no hazardous ingredients with concentration >1% m/v or carcinogens with concentration >0.1% m/v.

12. Ecological Toxicological information

According to applicable regulations, this product does not contain chemical ingredients classified as hazardous or in sufficient concentrations to classify the product as hazardous. This product contains no hazardous ingredients with concentration >1% m/v or carcinogens with concentration >0.1% m/v.

13. Waste disposal methods

Do not dispose of in general waste. Consult local environmental authorities for proper disposal.

14. Transport information

According to DOT and IATA, the product is classified as:
NON-HAZARDOUS

Proper Shipping Name:	N/A
Technical Name:	Unknown
UN Number:	N/A

Hazard Class and Packaging Group: N/A
Label(s): N/A
Packing Instruction (Passenger Aircraft): N/A
Packing Instruction (Cargo Aircraft): N/A
Shipping Container Type: N/A
Sales Unit: Plastic dropper bottle containing 1.0 mL solution

15. Valid regulations

For US: GUIDELINES FOR IMPORTATION #1121

16. Other information

The opinions expressed herein are those of qualified experts within Eurotrol B.V. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and these opinions and the conditions of use of the product are not within the control of Eurotrol B.V., it is the users' obligation to assure safe use of the product.

Date of issue:
April 07, 2011