

## Safety Data Sheet

according to 1907/2006/EC, Article 31

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Tradename ICSH HiCN Standard  
Article number ICSH HiCN Standard **REF** 019.001.005

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

##### 1.2.1 Application of the substance / the mixture

Quality testing of in-vitro diagnostic test systems.

#### 1.3 Details of the supplier of the safety data sheet

##### Manufacturer

Eurotrol B.V.  
Keplerlaan 20  
6716 BS Ede  
The Netherlands  
Mail: [office@eurotrol.com](mailto:office@eurotrol.com)  
Phone: +31 (0) 318 695777

##### Information department

Eurotrol B.V. Customer Service  
Mail: [office@eurotrol.com](mailto:office@eurotrol.com)  
Phone: +31 (0) 318 695777

#### 1.4 Emergency telephone number

In case of an emergency call **+31 (0) 318 695777** for any further information (only during office hours).

### Section 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008: The product is not classified according to the CLP regulation, as it contains no hazardous ingredients with concentrations >1% m/v or carcinogens with concentrations >0.1% m/v.

#### 2.2 Label elements

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Labelling according to Regulation (EC) No 1272/2008: | Not applicable. |
| Hazard pictograms:                                   | Not applicable. |
| Signal word:                                         | Not applicable. |
| Hazard statements:                                   | Not applicable. |

#### 2.3 Other hazards

Results of PBT and vPvB assessment: Not applicable.

This product contains material of bovine origin. Bovine based materials do not carry Hepatitis B Surface Antigen (HbsAg), Hepatitis C Virus (HCV) and Human Immunodeficiency Virus (HIV-1/HIV-2). The product is free from transmissible spongiform encephalopathies (TSEs). However, no test method can offer complete assurance that products derived from bovine source material are free from infectious agents and may transmit infectious agents.

## Section 3: Composition/information on ingredients

### 3.1 Substances

Description: Eurotrol ICSH HiCN Standard is prepared from a bovine stroma-free haemiglobincyanid solution (Zijlstra & Van Kampen: Standardization of haemoglobinometry. III. Preparation and use of a stable haemiglobincyanide standard. Clin Chem Acta 7, 96-99, 1962).

Dangerous components:

| Chemical name                     | Concentration |
|-----------------------------------|---------------|
| Potassium Cyanide – CAS# 151-50-8 | < 0.1 %       |

Additional information: None.

## Section 4: First-aid measures

### 4.1 Description of first aid measures

Inhalation: If breathed in, move to fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin contact: Remove contaminated clothing and wash off with soap and plenty of water thoroughly. Consult a physician.

Eye contact: Flush with water for at least 15 minutes occasionally lifting upper and lower eyelids.

Ingestion: If large amounts were swallowed, get immediate medical help. Consult a physician.

### 4.2 Most important symptoms and effects, both acute and delayed

Absorption into the body leads to formation of methemoglobin which in sufficient concentration causes cyanosis. Onset may be delayed for several hours.

### 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## Section 5: Fire-fighting measures

### 5.1 Extinguishing media

Suitable extinguishing agents: Use water, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture

No data on specific hazards available.

### 5.3 Advice for firefighters

Standard precautions and protective equipment should be used.

## Section 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Ventilate area. Wear appropriate protective equipment. Contain and recover when possible.

## **6.2 Environmental precautions**

Consult local environmental authorities.

## **6.3 Methods and material for containment and cleaning up**

Collect or absorb with an inert material (vermiculite, dry sand, earth, etc.). Wipe up and put into a sealed container for proper disposal. Wash spill site with water after material pick up is complete. Wear chemical resistant glasses, gloves and clothing.

## **6.4 Reference to other sections**

No dangerous substances are released. See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

# **Section 7: Handling and storage**

## **7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at work place. Have an immediate availability of an eye wash in case of emergency. Follow Good Laboratory Practice when working with any chemical whether it is considered hazardous or not.

### **7.1.1 Information about protection against explosions and fires**

No special measures required.

## **7.2 Conditions for safe storage, including any incompatibilities**

Store the product as indicated on the product label.

## **7.3 Specific end use(s)**

No further relevant information available.

# **Section 8: Exposure controls/personal protection**

## **8.1 Control parameters**

Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

### **8.1.1 Additional information**

Applicable lists valid during the creation of this safety data sheet were used as basis.

## **8.2 Exposure controls**

### **8.2.1 Appropriate engineering controls**

Follow Good Laboratory Practice (GLP).

### **8.2.2 Individual protection measures, such as personal protective equipment**

|                         |                                                                                |
|-------------------------|--------------------------------------------------------------------------------|
| Eye/face protection:    | Use equipment for eye protection tested under appropriate government standards |
| Skin protection:        | Use protective gloves                                                          |
| Body protection:        | Wear protective clothing                                                       |
| Respiratory protection: | Respiratory protection not required                                            |

### **8.2.3 Environmental exposure controls**

The usual precautionary measures should be adhered to when handling chemicals.

## Section 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|                                                 |                           |
|-------------------------------------------------|---------------------------|
| a) Appearance                                   | Liquid, transparent, red. |
| b) Odor                                         | None.                     |
| c) Odor threshold                               | No data available.        |
| d) pH                                           | No data available.        |
| e) Melting point/freezing point                 | ~0 °C                     |
| f) Initial boiling point and boiling range      | ~100 °C                   |
| g) Flash point                                  | Not flammable.            |
| h) Evaporation rate                             | No data.                  |
| i) Flammability (solid, gas)                    | Not flammable.            |
| j) Upper/lower flammability or explosive limits | Not explosive.            |
| k) Vapor pressure                               | No data available.        |
| l) Vapor density                                | No data available.        |
| m) Relative density                             | No data available.        |
| n) Solubility(ies)                              | Liquid.                   |
| o) Partition coefficient: n-octanol/water       | No data available.        |
| p) Auto-ignition temperature                    | No data available.        |
| q) Decomposition temperature                    | No data available.        |
| r) Viscosity                                    | No data available.        |
| s) Explosive properties                         | No data available.        |
| t) Oxidizing properties                         | No data available.        |

### 9.2 Other information

No further relevant information available.

## Section 10: Stability and reactivity

### 10.1 Reactivity

No data available.

### 10.2 Chemical stability

The product has been validated to be chemically stable at least up until the expiration date.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

Freezing the product, boiling the product, contact with strong acids.

#### **10.5 Incompatible materials**

No data available.

#### **10.6 Hazardous decomposition products**

No data available.

### **Section 11: Toxicological information**

#### **11.1 Information on toxicological effects**

|                                      |                                    |
|--------------------------------------|------------------------------------|
| a) acute toxicity                    | No relevant information available. |
| b) skin corrosion/irritation         | No relevant information available. |
| c) serious eye damage/irritation     | No relevant information available. |
| d) respiratory or skin sensitization | No relevant information available. |
| e) germ cell mutagenicity            | No relevant information available. |
| f) carcinogenicity                   | No relevant information available. |
| g) reproductive toxicity             | No relevant information available. |
| h) STOT-single exposure              | No relevant information available. |
| i) STOT-repeated exposure            | No relevant information available. |
| j) aspiration hazard                 | No relevant information available. |

### **Section 12: Ecological information**

#### **12.1 Toxicity**

No relevant information available.

#### **12.2 Persistence and degradability**

No relevant information available.

#### **12.3 Bioaccumulative potential**

No relevant information available.

#### **12.4 Mobility in soil**

No relevant information available.

#### **12.5 Results of PBT and vPvB assessment**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

#### **12.6 Other adverse effects**

No relevant information available.

### **Section 13: Disposal considerations**

#### **13.1 Waste treatment methods**

Do not dispose of in general waste, treat the product as medical waste. Consult local environmental authorities for proper disposal. In case of contaminated packaging, dispose of the unused product.

## Section 14: Transport information

According to ADR, ADN, RID, IMDG and IATA the product is not classified as dangerous good.

|                                                                                |                 |
|--------------------------------------------------------------------------------|-----------------|
| <b>14.1 UN number</b>                                                          | Not applicable. |
| <b>14.2 UN proper shipping name</b>                                            | Not applicable. |
| <b>14.3 Transport hazard class(es)</b>                                         | Not applicable. |
| <b>14.4 Packing group</b>                                                      | Not applicable. |
| <b>14.5 Environmental hazards</b>                                              | Not applicable. |
| <b>14.6 Special precautions for user</b>                                       | Not applicable. |
| <b>14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code</b> | Not applicable. |

## Section 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This Safety Data Sheet complies with the following regulations:

- Regulation (EC) No. 453/2010 (REACH)
- Regulation (EC) No. 1272/2008 (EU-GHS/CLP)
- Regulation (EC) No. 1907/2006 (REACH)

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this product.

## Section 16: Other information

The information in this Safety Data Sheet are based on our current knowledge. This SDS has been compiled exclusively for this product and is intended exclusively for this product. It guaranties no product characteristics and does not ensure a legal relationship. Since the implementation of the information and the operating conditions of the product given in this SDS are not controlled by Eurotrol B.V., the user is responsible for the safe use of the product.

### Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route

ADN: Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

IATA: International Air Transport Association

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

IMDG: International Maritime Code for Dangerous Goods

MARPOL: International Convention for the Prevention of Pollution from Ships

REACH: Registration, Evaluation, Authorization and Restriction of Chemicals

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer

## Revision history

| Revision      | Effective date | Change to previous revision                                             |
|---------------|----------------|-------------------------------------------------------------------------|
| MSDS<br>019-5 | 2016-02-26     | No revision history exists for this document.                           |
| R01           | 2022-11-03     | Updated to latest legislation and transferred contents to new template. |
| R02           | 2024-04-10     | Updated statement in section 1.2.1.                                     |