

Safety Data Sheet

1. Identification of substance/mixture and of the company/undertaking

Product name: ICSH HiCN Standard
Product code: REF 019.001.005
Manufacturer: Eurotrol B.V., Keplerlaan 20, 6716 BS, Ede, The Netherlands.

In emergency call **+31 318 695777** for further information.

For **US and Canadian customers**: in emergency call: **+1-978-598-3779** for further information.

2. Hazards identification

Appearance: Transparent, red

Odour: none

Physical State: Liquid

This product is prepared from bovine material. Cattle used for bleeding is under veterinary control. Cattle have not been mixed with other cattle. No foot-and-mouth disease or rinderpest has been observed in these cattle.

3. Composition/information on ingredients

Component	Classification	Concentration
Potassium Cyanide CAS-No. 151-50-8 EC-No. 205-792-3 Index-No. 006-007-00-5	Acute Tox. 2 *; Acute Tox. 1; Acute Tox. 2 *; Aquatic Acute 1; Aquatic Chronic 1; H330, H310, H300, H410, EUH032	approx. 0.05% (50ppm)

Product does not contain components at concentrations of 0.1% or higher that are classified as toxic according to regulation (EC) No 1272/2008 [EU-GHS/CLP].

4. First aid measures

General advice:

Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation:

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

Skin contact:

Remove contaminated clothing. Wash off with soap and plenty of water, Consult a physician.

Eye contact:

Flush eyes with water, occasionally lifting upper and lower eyelids.

Ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Symptoms and effects:

Absorption into the body leads to formation of methemoglobin which in sufficient concentration causes cyanosis.

Onset may be delayed for several hours.

5. Firefighting measures

Not flammable.

Follow general fire fighting procedures.

6. Accidental release measures

Ventilate area. Wear appropriate protective equipment. Contain and recover when possible. 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.

7. Handling and storage

Handling:

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

Storage:

Store as indicated in product insert to maintain proper performance of the product.

8. Exposure controls / personal protection

Use Good Laboratory Practice. Wear goggles, protective apron and chemical resistant gloves. Ensure good ventilation/exhaustion at work place.

9. Physical and chemical characteristics

pH	N/A
Boiling point (°C)	~100
Melting point (°C)	~ 0
Decomposition temperature (°C)	N/A
Flash-point (°C)	Not flammable.
Spontaneous combustion temp (°C)	N/A
Combustibility (solid, gas)	N/A
Explosive characteristics	Not explosive
Explosion limits	N/A
Oxidizing characteristics	N/A
Vapor pressure (kPa)	N/A
Vapor density	N/A
Appearance	Liquid, transparent, red
Odour	None
Physical state	Liquid
Solubility in water	Soluble

10. Stability and reactivity

Expiry date is stated on each ampule. Stored as indicated in product insert, product performance is guaranteed until stated expiry date.

Conditions to avoid:

- Freezing the product
- Boiling the product
- Contact with strong acids

11. Toxicological information

Product does not contain components at levels greater than or equal to 0.1% that are identified as probable, possible, or confirmed to be toxic.

Product does not contain components at levels greater than or equal to 0.1% that are identified as probable, possible, or confirmed human carcinogen.

This product is prepared from bovine material. Cattle used for bleeding is under veterinary control. Cattle have not been mixed with other cattle. No foot-and-mouth disease or rinderpest has been observed in these cattle. However, no test method can offer complete assurance that products derived from bovine source material are free from infectious agents.

HANDLE AS A BIOHAZARD, class II (CDC/NIH guidelines).

12. Ecological information

No information is found on environmental toxicity for this solution.

13. Disposal considerations

Do not dispose of in general waste. HANDLE AS A BIOHAZARD, class II (CDC/NIH guidelines). Consult local environmental authorities for proper disposal.

14. Transport information

No information found

15. Regulatory information

- EU:
 - o Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals [REACH];
 - o Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures [EU-GHS/CLP];
- US:
 - o Guidelines for Importation #1121;
 - o Globally Harmonized System of Classification and Labelling of Chemicals (GHS).

16. Other information

For in-vitro use only.

Text of H-codes and R-phrases mentioned:

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic toxicity
Aquatic Chronic	Chronic aquatic toxicity
EUH032	Contacts with acids liberates very toxic gas.
H300	Fatal if swallowed.
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H410	Very toxic to aquatic life with long lasting effects.

Further 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:

2016-02-26