

Safety Data Sheet

according to OSHA HCS 29 CFR 1910.1200(g)

Section 1: Identification

1.1 Product identifier used on the label

Eurotrol® epoc® GAS-ISE-Metabolites
Eurotrol® epoc® Calibration Verification Fluids
Eurotrol® epoc® GAS-ISE-Metabolites (bulk)

1.2 Other means of identification

Eurotrol® epoc® GAS-ISE-Metabolites, level 1	REF266.001.010
Eurotrol® epoc® GAS-ISE-Metabolites, level 2	REF266.002.010
Eurotrol® epoc® GAS-ISE-Metabolites, level 3	REF266.003.010
Eurotrol® epoc® GAS-ISE-Metabolites, level 6	REF266.006.010
Eurotrol® epoc® Calibration Verification Fluids	REF267.000.005
Eurotrol® epoc® GAS-ISE-Metabolites (bulk), level 1	REF270.001.001
Eurotrol® epoc® GAS-ISE-Metabolites (bulk), level 2	REF270.002.001
Eurotrol® epoc® GAS-ISE-Metabolites (bulk), level 3	REF270.003.001
Eurotrol® epoc® GAS-ISE-Metabolites (bulk), level 4	REF270.004.001
Eurotrol® epoc® GAS-ISE-Metabolites (bulk), level 5	REF270.005.001
Eurotrol® epoc® GAS-ISE-Metabolites (bulk), level 6	REF270.006.001

1.3 Recommended use of the chemical and restrictions on use

Eurotrol® epoc® GAS-ISE-Metabolites, Eurotrol® epoc® Calibration Verification Fluids and Eurotrol® epoc® GAS-ISE-Metabolites (bulk) are assayed blood gas, electrolyte and metabolite reference materials, to verify the precision and accuracy of the epoc® Blood Analysis System, measuring the following parameters: pH, $p\text{CO}_2$, $p\text{O}_2$, Na^+ , K^+ , Ca^{2+} , Cl^- , glucose, lactate, urea, creatinine and iMg^{2+} . The product should not be used on another device, or as a calibrator.

1.4 Name, address, phone number of the manufacturer and emergency phone number

Manufacturer

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

Sales and Distribution Center

Eurotrol Inc.
850 N Black Branch Rd
Elizabethtown, KY 42701
USA
officeusa@eurotrol.com
+1 502 5011180

1.5 Emergency phone number

In case of an emergency call **+1-978-598-3779** for any further information.

Section 2: Hazard(s) Identification

2.1 Classification of the chemical

None of the compounds in the mixture of the product are known to constitute to health or physical hazards and are therefore not classified.

2.2 Signal word, hazard statement(s), symbol(s) and precautionary statement(s)

This product does not need to be labeled in accordance with §1910.1200 Occupational Safety and Health Standards, as no classified chemicals are part of the mixture of the product.

2.3 Any hazards not otherwise classified that have been identified during the classification process

Unknown.

Section 3: Composition/information on ingredients

3.1 Chemical name and concentration of all ingredients which are classified as health hazards in accordance with paragraph (d) of §1910.1200

The mixture contains no ingredients which are classified as health hazards in accordance with paragraph (d) of §1910.1200.

Section 4: First-aid measures

4.1 Description of necessary first aid measures

Inhalation: If inhaled, move person to fresh air. If not breathing, give artificial respiration.

Skin contact: Wash off with soap and plenty of water.

Eye contact: Flush eyes with water as a precaution.

Ingestion: Rinse mouth with water. Do not induce vomiting.

4.2 Most important symptoms/effects, acute and delayed

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

4.3 Recommendations for immediate medical attention and special treatment needed, if necessary

No data available.

Section 5: Fire-fighting measures

5.1 Suitable (and unsuitable) extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical

No data on specific hazards available.

5.3 Special protective equipment and precautions for fire-fighters

Standard precautions and protective equipment should be used.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

No personal precautions, protective equipment and emergency procedures are required.

6.2 Methods and materials for containment and cleaning up

In case of spill of material, clean with water. Keep left over waste in suitable, closed containers for disposal.

Section 7: Handling and storage

7.1 Precautions for safe handling

Follow Good Laboratory Practice (GLP).

7.2 Conditions for safe storage, including any incompatibilities

Store the product as indicated on the product label.

Section 8: Exposure controls/personal protection

8.1 OSHA permissible exposure limit and any other exposure limit used

Not available.

8.2 Appropriate engineering controls

Follow Good Laboratory Practice (GLP). No further engineering controls required for using this product.

8.3 Individual protection measures, such as personal protective equipment

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

Section 9: Physical and chemical properties

a) Appearance	Colorless liquid in a glass ampoule
b) Odor	Odorless
c) Odor threshold	No data available
d) pH	6.6 – 7.8
e) Melting point/freezing point	Similar to water (~0°C)
f) Initial boiling point and boiling range	Similar to water (~100°C)
g) Flash point	No data available
h) Evaporation rate	Similar to water, (~0.3 g·m ⁻² ·h ⁻¹)
i) Flammability (solid, gas)	Product is nonflammable
j) Upper/lower flammability or explosive limits	Not applicable
k) Vapor pressure	Similar to water (~2.34 kPa at 20° C)
l) Vapor density	Similar to water (~17 g·m ⁻³)
m) Relative density	Similar to water (~1 g·mL ⁻¹)
n) Solubility(ies)	Product is an aqueous solution

o) Partition coefficient: n-octanol/water	Product is an aqueous solution
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	Similar to water (~1.0016 mPa·s)

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

Avoid exposing the product to temperatures outside the storage temperature range.

10.5 Incompatible materials

No data available.

10.6 Hazardous decomposition products

No data available.

Section 11: Toxicological information

11.1 Likely routes of exposure (inhalation, ingestion, skin and eye contact)

No data available.

11.2 Symptoms related to the physical, chemical and toxicological characteristics

No data available.

11.3 Delayed and immediate effects and also chronic effects from short- and long-term exposure

No data available.

11.4 Numerical measures of toxicity

No data available.

11.5 Carcinogenic compounds

No data available.

Section 12: Ecological information

12.1 Ecotoxicity

No data available.

12.2 Persistence and degradability

No data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Other adverse effects

No data available.

Section 13: Disposal considerations

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

Section 14: Transport information

No specific precautions need to be taken for transporting this product.

Section 15: Regulatory information

This Safety Data Sheet complies with the following regulations:

- Guidelines for Importation #1121
- Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

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.

Revision history

Revision	Effective date	Change to previous revision
01	13 Apr 2017	First revision.
02	26 Jul 2017	Updated document to new template.

Effective date: 26 Jul 2017