

Trade name: PrimeStore Molecular Transport Medium® (MTM)

Current version : 2.0.0, issued: 26.10.2020

Replaced version: 1.0.1, issued: 16.09.2020

Region: GB

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name

PrimeStore Molecular Transport Medium® (MTM)

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

Relevant identified uses of the substance or mixture

Sample transport medium

Uses advised against

No data available.

1.3 Details of the supplier of the safety data sheet

Address

EKF-diagnostic GmbH
Ebendorfer Chaussee 3
39179 Barleben
Germany

Telephone no. +49(0)39203511-0

Fax no. +49(0)39203511-171

Information provided by / telephone

Telephone number +49(0)39203511-0

Advice on Safety Data Sheet

support@ekf-diagnostic.de

1.4 Emergency telephone number

For medical advice (in German and English):

+49 (0)551 192 40 (Giftinformationszentrum Nord)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP)

Acute Tox. 4; H332

Aquatic Chronic 3; H412

Eye Dam. 1; H318

Skin Corr. 1C; H314

Classification information

EG/1272/2008, 2.6.4.5: "Liquids with a flash point of more than 35 °C need not be classified in Category 3 if negative results have been obtained in the sustained combustibility test L.2, Part III, section 32 of the UN Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria."

This product is assessed and classified using the methods and criteria below referred to in Article 9 of Regulation (EC) n° 1272/2008:

Physical hazards: determined through assessment data based on the methods or standards referred to in part 2 of Annex I to CLP

Health hazards and environmental hazards: determined through toxicological and ecotoxicological assessment data based on the methods or standards referred to in Part 3, 4 and 5 of Annex I to CLP.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP Regulation)

Hazard pictograms



Safety data sheet in accordance with 1907/2006/EC



Trade name: PrimeStore Molecular Transport Medium® (MTM)

Current version : 2.0.0, issued: 26.10.2020

Replaced version: 1.0.1, issued: 16.09.2020

Region: GB

GHS05

GHS07

Signal word

Danger

Hazardous component(s) to be indicated on label:

GUANIDINIUMTHIOCYANATE

Hazard statement(s)

H314 Causes severe skin burns and eye damage.
H332 Harmful if inhaled.
H412 Harmful to aquatic life with long lasting effects.

Hazard statements (EU)

EUH032 Contact with acids liberates very toxic gas.
EUH071 Corrosive to the respiratory tract.

Precautionary statement(s)

P260 Do not breathe mist/vapours/spray.
P264 Wash thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

2.3 Other hazards

PBT assessment

The product is not considered to be a PBT.

vPvB assessment

The product is not considered to be a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable. The product is not a substance.

3.2 Mixtures

Hazardous ingredients

| No | Substance name | Additional information | |
|----|---|--|------------------------|
| | CAS / EC / Index / REACH no | Classification (EC) 1272/2008 (CLP) | Concentration % |
| 1 | GUANIDINIUMTHIOCYANATE | | |
| | 593-84-0 209-812-1 615-004-00-3 01-2120735072-65 | Skin Corr. 1C; H314 Acute Tox. 4; H332 Acute Tox. 4; H302 Acute Tox. 4; H312 Aquatic Chronic 3; H412 EUH071 EUH032 | >= 25.00 - < 50.00 wt% |
| 2 | ethanol | | |
| | 64-17-5 200-578-6 603-002-00-5 01-2119457610-43 | Flam. Liq. 2; H225 Eye Irrit. 2; H319 | >= 10.00 - < 25.00 wt% |
| 3 | trometamol | | |
| | 77-86-1 201-064-4 - - | STOT SE 3; H335 Skin Irrit. 2; H315 Eye Irrit. 2; H319 | < 2.50 wt% |
| 4 | sodium N-lauroylsarcosinate | | |

Safety data sheet in accordance with 1907/2006/EC



Trade name: PrimeStore Molecular Transport Medium® (MTM)

Current version : 2.0.0, issued: 26.10.2020

Replaced version: 1.0.1, issued: 16.09.2020

Region: GB

| | | | |
|--|---|--------|-----|
| 137-16-6 205-281-5 - 01-2119527780-39 | Eye Dam. 1; H318 Skin Irrit. 2; H315 Acute Tox. 2; H330 | < 0.50 | wt% |
|--|---|--------|-----|

Full Text for all H-phrases and EUH-phrases: pls. see section 16

| No | Note | Specific concentration limits | M-factor (acute) | M-factor (chronic) |
|----|------|----------------------------------|------------------|--------------------|
| 2 | - | Eye Irrit. 2; H319: C \geq 50% | - | - |

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Remove contaminated clothing and shoes immediately, and launder thoroughly before reusing. Seek medical advice immediately.

After inhalation

Remove affected persons from dangerous area by observing suitable respiratory protection measures. Ensure supply of fresh air.

After skin contact

Wash immediately with plenty of water for several minutes. Seek medical attention.

After eye contact

Remove contact lenses. Rinse eye thoroughly under running water keeping eyelids wide open and protecting the unaffected eye (at least 10 to 15 minutes). Get immediate ophthalmic treatment.

After ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

No data available.

4.3 Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide; Water spray jet; Foam; Extinguishing powder

Unsuitable extinguishing media

High power water jet

5.2 Special hazards arising from the substance or mixture

In the event of fire, the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3 Advice for firefighters

Use self-contained breathing apparatus. Wear protective clothing. Containers close to fire should be transferred to a safe place. Cool closed containers exposed to fire with water. Run-off water from fire fighting must not be discharged into drains or enter surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Keep away from ignition sources. Use personal protective clothing.

For emergency responders

Personal protective equipment (PPE) - see section 8.

Safety data sheet in accordance with 1907/2006/EC



Trade name: PrimeStore Molecular Transport Medium® (MTM)

Current version : 2.0.0, issued: 26.10.2020

Replaced version: 1.0.1, issued: 16.09.2020

Region: GB

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

6.4 Reference to other sections

Information regarding safe handling, see section 7. Information regarding personal protective measures, see section 8. Information regarding waste disposal, see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Risks inherent to handling the product must be minimised by applying the appropriate protective and preventive measures. Working processes should - so far as possible, according to the state of the art - be designed to rule out bodily contact or the release of hazardous substances.

General protective and hygiene measures

Provide eye wash fountain in work area. Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Do not inhale vapours. Avoid contact with eyes and skin. Wash hands before breaks and after work. Remove contaminated clothing and shoes and launder thoroughly before reusing.

Advice on protection against fire and explosion

When heating the product, explosive vapour-air mixtures can be formed. Isolate from sources of heat, sparks and open flame. Take precautionary measures against electrostatic loading (earthing necessary during loading operations). Use explosion-proof equipment/fittings and non-sparking tools.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

Recommended storage temperature

Value 2 - 25 °C

Requirements for storage rooms and vessels

Containers which are opened must be carefully closed and kept upright to prevent leakage. Always keep in containers of same material as the original.

Incompatible products

Do not store together with acids.

7.3 Specific end use(s)

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

| No | Substance name | CAS no. | EC no. |
|--|----------------|------------------------|-----------|
| 1 | ethanol | 64-17-5 | 200-578-6 |
| List of approved workplace exposure limits (WELs) / EH40 | | | |
| Ethanol | | | |
| WEL long-term (8-hr TWA reference period) | | 1920 mg/m ³ | 1000 ppm |

DNEL, DMEL and PNEC values

DNEL values (worker)

| No | Substance name | CAS / EC no |
|----|----------------|-------------|
|----|----------------|-------------|

Safety data sheet in accordance with 1907/2006/EC



Trade name: PrimeStore Molecular Transport Medium® (MTM)

Current version : 2.0.0, issued: 26.10.2020

Replaced version: 1.0.1, issued: 16.09.2020

Region: GB

| | Route of exposure | Exposure time | Effect | Value |
|---|------------------------------------|---------------------|----------|-------------------------------------|
| 1 | GUANIDINIUMTHIOCYANATE | | | 593-84-0 209-812-1 |
| | dermal | Long term (chronic) | systemic | 0.31 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 1092 mg/m ³ |
| 2 | ethanol | | | 64-17-5 200-578-6 |
| | dermal | Long term (chronic) | systemic | 343 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 950 mg/m ³ |
| 3 | sodium N-lauroylsarcosinate | | | 137-16-6 205-281-5 |
| | dermal | Long term (chronic) | systemic | 20 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 70.53 mg/m ³ |

DNEL value (consumer)

| No | Substance name | | | CAS / EC no |
|----|------------------------------------|---------------------|----------|-------------------------------------|
| | Route of exposure | Exposure time | Effect | Value |
| 1 | GUANIDINIUMTHIOCYANATE | | | 593-84-0 209-812-1 |
| | oral | Long term (chronic) | systemic | 0.155 mg/kg/day |
| | dermal | Long term (chronic) | systemic | 0.155 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 0.27 mg/m ³ |
| 2 | ethanol | | | 64-17-5 200-578-6 |
| | oral | Long term (chronic) | systemic | 87 mg/kg/day |
| | dermal | Long term (chronic) | systemic | 206 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 114 mg/m ³ |
| 3 | sodium N-lauroylsarcosinate | | | 137-16-6 205-281-5 |
| | oral | Long term (chronic) | systemic | 10 mg/kg/day |
| | dermal | Long term (chronic) | systemic | 10 mg/kg/day |
| | inhalative | Long term (chronic) | systemic | 17.39 mg/m ³ |

PNEC values

| No | Substance name | | CAS / EC no |
|----|-------------------------------|-----------------------|-------------------------------------|
| | ecological compartment | Type | Value |
| 1 | GUANIDINIUMTHIOCYANATE | | 593-84-0 209-812-1 |
| | water | fresh water | 42.4 µg/L |
| | water | marine water | 4.24 µg/L |
| | water | fresh water sediment | 165 µg/kg dry weight |
| | water | marine water sediment | 16.5 µg/kg dry weight |
| | soil | - | 8.03 µg/kg dry weight |
| | sewage treatment plant | - | 20 mg/L |
| 2 | ethanol | | 64-17-5 200-578-6 |
| | water | fresh water | 0.96 mg/L |
| | water | Aqua intermittent | 2.75 mg/L |
| | water | marine water | 0.79 mg/L |
| | water | fresh water sediment | 3.6 mg/kg dry weight |
| | water | marine water sediment | 2.9 mg/L |
| | soil | - | 0.63 mg/kg dry weight |
| | sewage treatment plant | - | 580 mg/L |
| | secondary poisoning | - | 0.38 mg/kg food |

Safety data sheet in accordance with 1907/2006/EC



Trade name: PrimeStore Molecular Transport Medium® (MTM)

Current version : 2.0.0, issued: 26.10.2020

Replaced version: 1.0.1, issued: 16.09.2020

Region: GB

| | | | |
|---|------------------------------------|-----------------------|-------------------------------------|
| 3 | sodium N-lauroylsarcosinate | | 137-16-6 205-281-5 |
| | water | fresh water | 0.0297 mg/L |
| | water | fresh water sediment | 0.034 mg/kg dry weight |
| | water | marine water | 0.003 mg/L |
| | water | marine water sediment | 0.0034 mg/kg dry weight |
| | water | Aqua intermittent | 0.297 mg/L |
| | soil | - | 0.012 mg/kg dry weight |
| | sewage treatment plant | - | 10 mg/L |

8.2 Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit), suitable respiratory protection must be worn.

Personal protective equipment

Respiratory protection

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

Eye / face protection

Safety glasses with side protection shield (EN 166)

Hand protection

Sufficient protection is given wearing suitable protective gloves checked according to i.e. EN 374, in the event of risk of skin contact with the product. Before use, the protective gloves should be tested in any case for its specific work-station suitability (i.e. mechanical resistance, product compatibility and antistatic properties). Adhere to the manufacturer's instructions and information relating to the use, storage, care and replacement of protective gloves. Protective gloves shall be replaced immediately when physically damaged or worn. Design operations thus to avoid permanent use of protective gloves.

Other

Chemical-resistant work clothes.

Environmental exposure controls

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

| |
|--------------------------------------|
| Form/Colour |
| liquid |
| colourless |
| Odour |
| characteristic |
| Odour threshold |
| No data available |
| pH value |
| No data available |
| Boiling point / boiling range |
| No data available |
| Melting point / melting range |
| No data available |

Safety data sheet in accordance with 1907/2006/EC



Trade name: PrimeStore Molecular Transport Medium® (MTM)

Current version : 2.0.0, issued: 26.10.2020

Replaced version: 1.0.1, issued: 16.09.2020

Region: GB

| | | | |
|--|------------------------|----------------|---------------|
| Decomposition point / decomposition range | | | |
| No data available | | | |
| Flash point | | | |
| Value | 35 | - 60 | °C |
| Auto-ignition temperature | | | |
| No data available | | | |
| Oxidising properties | | | |
| No data available | | | |
| Explosive properties | | | |
| No data available | | | |
| Flammability (solid, gas) | | | |
| No data available | | | |
| Lower flammability or explosive limits | | | |
| No data available | | | |
| Upper flammability or explosive limits | | | |
| No data available | | | |
| Vapour pressure | | | |
| No data available | | | |
| Vapour density | | | |
| No data available | | | |
| Evaporation rate | | | |
| No data available | | | |
| Relative density | | | |
| No data available | | | |
| Density | | | |
| No data available | | | |
| Solubility in water | | | |
| No data available | | | |
| Solubility(ies) | | | |
| No data available | | | |
| Partition coefficient: n-octanol/water | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | GUANIDINIUMTHIOCYANATE | 593-84-0 | 209-812-1 |
| | log Pow | -1.1 | |
| | Reference temperature | 25 | °C |
| | Method | EU Method A.8 | |
| | Source | ECHA | |
| 2 | ethanol | 64-17-5 | 200-578-6 |
| | log Pow | -0.35 | |
| | Reference temperature | 24 | °C |
| | with reference to | pH 7,4 | |
| | Method | OECD 107 | |
| | Source | ECHA | |
| Viscosity | | | |
| No data available | | | |

9.2 Other information

| |
|--------------------------|
| Other information |
| No data available. |

Trade name: PrimeStore Molecular Transport Medium® (MTM)**Current version :** 2.0.0, issued: 26.10.2020**Replaced version:** 1.0.1, issued: 16.09.2020**Region:** GB**SECTION 10: Stability and reactivity****10.1 Reactivity**

No data available.

10.2 Chemical stability

Stable under recommended storage and handling conditions (See section 7).

10.3 Possibility of hazardous reactions

Dangerous reactions are not to be expected when handling product according to its intended use.

10.4 Conditions to avoid

Heat, naked flames and other ignition sources.

10.5 Incompatible materials

strong acids; strong bases; Oxidizing agents

10.6 Hazardous decomposition products

None, if handled according to intended use.

SECTION 11: Toxicological information**11.1 Information on toxicological effects**

| Acute oral toxicity (result of the ATE calculation for the mixture) | |
|---|---|
| No | Product Name |
| 1 | PrimeStore Molecular Transport Medium® (MTM) |
| Comments | The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE oral > 2000 mg/kg). |

| Acute oral toxicity | | | |
|---------------------------|---|----------|------------------|
| No | Substance name | CAS no. | EC no. |
| 1 | GUANIDINIUMTHIOCYANATE | 593-84-0 | 209-812-1 |
| LD50 | | 593 | mg/kg bodyweight |
| Species | rat | | |
| Method | OECD 401 | | |
| Source | ECHA | | |
| 2 | ethanol | 64-17-5 | 200-578-6 |
| LD50 | | 10470 | mg/kg bodyweight |
| Species | rat | | |
| with reference to | 95% ethanol in water | | |
| Method | OECD 401 | | |
| Source | ECHA | | |
| 3 | sodium N-lauroylsarcosinate | 137-16-6 | 205-281-5 |
| LD50 | | > 5000 | mg/kg bodyweight |
| Species | rat | | |
| Method | OECD 401 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

| Acute dermal toxicity (result of the ATE calculation for the mixture) | |
|---|---|
| No | Product Name |
| 1 | PrimeStore Molecular Transport Medium® (MTM) |
| Comments | The result of the applied calculation method according to the European Regulation (EC) 1272/2008 (CLP), Paragraph 3.1.3.6, Part 3 of Annex I is outside the values that imply a classification / labelling of this mixture according to table 3.1.1 defining the respective categories (ATE dermal > 2000 mg/kg). |

Safety data sheet in accordance with 1907/2006/EC



Trade name: PrimeStore Molecular Transport Medium® (MTM)

Current version : 2.0.0, issued: 26.10.2020

Replaced version: 1.0.1, issued: 16.09.2020

Region: GB

| | | | |
|---|--|---|-----------|
| Acute dermal toxicity | | | |
| No data available | | | |
| Acute inhalational toxicity (result of the ATE calculation for the mixture) | | | |
| No | Product Name | | |
| 1 | PrimeStore Molecular Transport Medium® (MTM) | | |
| ATE (Mixture) | | 4.1379 | mg/l |
| Route of exposure / physical form | | Dust/mist | |
| Method | | Calculation method according Regulation (EC) No 1272/2008, (CLP), annex I, part 3, section 3.1.3.6. | |
| Acute inhalational toxicity | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| LC50 | | 124.7 | mg/l |
| Duration of exposure | | 4 | h |
| State of aggregation | | Vapour | |
| Species | | rat | |
| Method | | OECD 403 | |
| Source | | ECHA | |
| Skin corrosion/irritation | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | GUANIDINIUMTHIOCYANATE | 593-84-0 | 209-812-1 |
| Species | | rabbit | |
| Method | | OECD 404 | |
| Source | | ECHA | |
| Evaluation | | corrosive | |
| 2 | ethanol | 64-17-5 | 200-578-6 |
| Species | | rabbit | |
| Method | | OECD 404 | |
| Source | | ECHA | |
| Evaluation | | non-irritant | |
| Serious eye damage/irritation | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| Species | | rabbit | |
| Method | | OECD 405 | |
| Source | | ECHA | |
| Evaluation | | irritant | |
| Respiratory or skin sensitisation | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| Route of exposure | | Skin | |
| Species | | mouse | |
| Source | | ECHA | |
| Evaluation | | non-sensitizing | |
| Germ cell mutagenicity | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | GUANIDINIUMTHIOCYANATE | 593-84-0 | 209-812-1 |
| Type of examination | | Bacterial Reverse Mutation Test | |
| Species | | S. typhimurium, other: TA 98, TA 100, TA 102, TA 1535, TA 1537, TA 1538 | |
| Method | | OECD 471 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| 2 | ethanol | 64-17-5 | 200-578-6 |
| Source | | ECHA | |

Safety data sheet in accordance with 1907/2006/EC



Trade name: PrimeStore Molecular Transport Medium® (MTM)

Current version : 2.0.0, issued: 26.10.2020

Replaced version: 1.0.1, issued: 16.09.2020

Region: GB

| | |
|---------------------------|---|
| Evaluation/classification | Based on available data, the classification criteria are not met. |
|---------------------------|---|

| Reproduction toxicity | | | |
|---------------------------|------------------------|---|------------|
| No | Substance name | CAS no. | EC no. |
| 1 | GUANIDINIUMTHIOCYANATE | 593-84-0 | 209-812-1 |
| Species | | 25 | mg/kg bw/d |
| Method | | Value taken from the literature | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| 2 | ethanol | 64-17-5 | 200-578-6 |
| Route of exposure | | oral | |
| NOAEL | | | |
| Type of examination | | 2 generation study | |
| Species | | mouse | |
| Method | | OECD 416 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |
| Route of exposure | | inhalational | |
| NOAEL | | | |
| Type of examination | | Prenatal Developmental Toxicity Study | |
| Species | | rat | |
| Method | | OECD 414 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |

| Carcinogenicity | | | |
|---------------------------|----------------|---|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |

| STOT - single exposure | |
|------------------------|--|
| No data available | |

| STOT - repeated exposure | | | |
|---------------------------|------------------------|---|------------|
| No | Substance name | CAS no. | EC no. |
| 1 | GUANIDINIUMTHIOCYANATE | 593-84-0 | 209-812-1 |
| Route of exposure | | oral | |
| NOAEL | | 100 | mg/kg bw/d |
| Species | | rat | |
| Method | | OECD 408 | |
| Source | | ECHA | |
| 2 | ethanol | 64-17-5 | 200-578-6 |
| Route of exposure | | oral | |
| Duration of exposure | | 14 | week/s |
| Species | | rat | |
| Target organ | | kidneys | |
| Method | | OECD 408 | |
| Source | | ECHA | |
| Evaluation/classification | | Based on available data, the classification criteria are not met. | |

| Aspiration hazard | |
|-------------------|--|
| No data available | |

SECTION 12: Ecological information

12.1 Toxicity

| Toxicity to fish (acute) | | | |
|--------------------------|----------------|---------|--------|
| No | Substance name | CAS no. | EC no. |

Safety data sheet in accordance with 1907/2006/EC



Trade name: PrimeStore Molecular Transport Medium® (MTM)

Current version : 2.0.0, issued: 26.10.2020

Replaced version: 1.0.1, issued: 16.09.2020

Region: GB

| | | | |
|-------------------------------|---|----------|-----------|
| 1 | GUANIDINIUMTHIOCYANATE | 593-84-0 | 209-812-1 |
| LC50 | | 89.1 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Poecilia reticulata | | |
| Method | OECD 203 | | |
| Source | ECHA | | |
| 2 | ethanol | 64-17-5 | 200-578-6 |
| LC50 | | 14200 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Pimephales promelas | | |
| Method | EPA | | |
| Source | ECHA | | |
| 3 | sodium N-lauroylsarcosinate | 137-16-6 | 205-281-5 |
| LC50 | | 107 | mg/l |
| Duration of exposure | | 96 | h |
| Species | Brachydanio rerio | | |
| Method | OECD 203 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| Toxicity to fish (chronic) | | | |
| No data available | | | |
| Toxicity to Daphnia (acute) | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | GUANIDINIUMTHIOCYANATE | 593-84-0 | 209-812-1 |
| EC50 | | 42.4 | mg/l |
| Duration of exposure | | 48 | h |
| Species | Daphnia magna | | |
| Method | OECD 202 | | |
| Source | ECHA | | |
| 2 | ethanol | 64-17-5 | 200-578-6 |
| EC50 | | 5012 | mg/l |
| Duration of exposure | | 48 | h |
| Species | Ceriodaphnia dubia | | |
| Method | ASTM Standard E 729-80 | | |
| Source | ECHA | | |
| 3 | sodium N-lauroylsarcosinate | 137-16-6 | 205-281-5 |
| EC50 | | 29.7 | mg/l |
| Duration of exposure | | 48 | h |
| Species | Daphnia magna | | |
| Method | OECD 202 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |
| Toxicity to Daphnia (chronic) | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | ethanol | 64-17-5 | 200-578-6 |
| NOEC | | 9.6 | mg/l |
| Duration of exposure | | 9 | day(s) |
| Species | Daphnia magna | | |
| Source | ECHA | | |
| Toxicity to algae (acute) | | | |
| No | Substance name | CAS no. | EC no. |
| 1 | GUANIDINIUMTHIOCYANATE | 593-84-0 | 209-812-1 |
| EC50 | | 130 | mg/l |
| Duration of exposure | | 72 | h |
| Species | Desmodesmus subspicatus | | |
| Method | DIN 38412 | | |
| Source | ECHA | | |

Safety data sheet in accordance with 1907/2006/EC



Trade name: PrimeStore Molecular Transport Medium® (MTM)

Current version : 2.0.0, issued: 26.10.2020

Replaced version: 1.0.1, issued: 16.09.2020

Region: GB

| 2 | ethanol | 64-17-5 | 200-578-6 |
|---------------------------|---|----------|-----------|
| EC50 | | 275 | mg/l |
| Duration of exposure | | 72 | h |
| Species | Chlorella vulgaris | | |
| Method | OECD 201 | | |
| Source | ECHA | | |
| 3 | sodium N-lauroylsarcosinate | 137-16-6 | 205-281-5 |
| EC50 | | 79 | mg/l |
| Duration of exposure | | 72 | h |
| Species | Desmodesmus subspicatus | | |
| Method | OECD 201 | | |
| Source | ECHA | | |
| Evaluation/classification | Based on available data, the classification criteria are not met. | | |

Toxicity to algae (chronic)

No data available

Bacteria toxicity

No data available

12.2 Persistence and degradability

| Biodegradability | | | |
|------------------|--------------------------|----------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | GUANIDINIUMTHIOCYANATE | 593-84-0 | 209-812-1 |
| Type | DOC decrease | | |
| Value | | 46 | % |
| Duration | | 28 | day(s) |
| Method | OECD 302 B | | |
| Source | ECHA | | |
| Evaluation | inherently biodegradable | | |
| 2 | ethanol | 64-17-5 | 200-578-6 |
| Type | aerobic biodegradation | | |
| Value | appr. | 84 | % |
| Duration | | 20 | day(s) |
| Method | OECD | | |
| Source | ECHA | | |
| Evaluation | readily biodegradable | | |
| Value | | | % |

12.3 Bioaccumulative potential

| Partition coefficient: n-octanol/water | | | |
|--|------------------------|----------|-----------|
| No | Substance name | CAS no. | EC no. |
| 1 | GUANIDINIUMTHIOCYANATE | 593-84-0 | 209-812-1 |
| log Pow | | -1.1 | |
| Reference temperature | | 25 | °C |
| Method | EU Method A.8 | | |
| Source | ECHA | | |
| 2 | ethanol | 64-17-5 | 200-578-6 |
| log Pow | | -0.35 | |
| Reference temperature | | 24 | °C |
| with reference to | pH 7,4 | | |
| Method | OECD 107 | | |
| Source | ECHA | | |

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

| Results of PBT and vPvB assessment | |
|------------------------------------|--|
| PBT assessment | The product is not considered to be a PBT. |

Safety data sheet in accordance with 1907/2006/EC



Trade name: PrimeStore Molecular Transport Medium® (MTM)

Current version : 2.0.0, issued: 26.10.2020

Replaced version: 1.0.1, issued: 16.09.2020

Region: GB

vPvB assessment

The product is not considered to be a vPvB.

12.6 Other adverse effects

No data available.

12.7 Other information

Other information

Do not discharge into the drains or waters and do not store on public depositories.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Disposal of the product should be carried out in accordance with all applicable regulations following consultation with the responsible local authority and the disposal company in an authorised and suitable disposal facility.

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

Packaging

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

SECTION 14: Transport information

14.1 Transport ADR/RID/ADN

| | |
|---------------------------|--------------------------|
| Class | 8 |
| Classification code | C9 |
| Packing group | III |
| Hazard identification no. | 80 |
| UN number | UN1760 |
| Proper shipping name | CORROSIVE LIQUID, N.O.S. |
| Technical name | GUANIDINIUMTHIOCYANATE |
| Tunnel restriction code | E |
| Label | 8 |

14.2 Transport IMDG

| | |
|----------------------|--------------------------|
| Class | 8 |
| Packing group | III |
| UN number | UN1760 |
| Proper shipping name | CORROSIVE LIQUID, N.O.S. |
| Technical name | GUANIDINIUMTHIOCYANATE |
| EmS | F-A, S-B |
| Label | 8 |

14.3 Transport ICAO-TI / IATA

| | |
|----------------------|--------------------------|
| Class | 8 |
| Packing group | III |
| UN number | UN1760 |
| Proper shipping name | Corrosive liquid, n.o.s. |
| Technical name | GUANIDINIUMTHIOCYANATE |
| Label | 8 |

14.4 Other information

No data available.

14.5 Environmental hazards

Information on environmental hazards, if relevant, please see 14.1 - 14.3.

14.6 Special precautions for user

No data available.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Safety data sheet in accordance with 1907/2006/EC



Trade name: PrimeStore Molecular Transport Medium® (MTM)

Current version : 2.0.0, issued: 26.10.2020

Replaced version: 1.0.1, issued: 16.09.2020

Region: GB

Not relevant

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No 1907/2006 (REACH) Annex XIV (List of substances subject to authorisation)

According to the data available and/or specifications supplied by upstream suppliers, this product does not contain any substances considered as substances requiring authorisation as listed on Annex XIV of the REACH regulation (EC) 1907/2006.

REACH candidate list of substances of very high concern (SVHC) for authorisation

According to available data and the information provided by preliminary suppliers, the product does not contain substances that are considered substances meeting the criteria for inclusion in annex XIV (List of Substances Subject to Authorisation) as laid down in Article 57 and article 59 of REACH (EC) 1907/2006.

Regulation (EC) No 1907/2006 (REACH) Annex XVII: RESTRICTIONS ON THE MANUFACTURE, PLACING ON THE MARKET AND USE OF CERTAIN DANGEROUS SUBSTANCES, MIXTURES AND ARTICLES

The product is considered being subject to REACH regulation (EC) 1907/2006 annex XVII.

No 3

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances

This product is not subject to Part 1 or 2 of Annex I.

Other regulations

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this mixture.

SECTION 16: Other information

Sources of key data used to compile the data sheet:

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164.

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding section.

Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)

| | |
|------|-------------------------------------|
| H225 | Highly flammable liquid and vapour. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H330 | Fatal if inhaled. |
| H335 | May cause respiratory irritation. |

Creation of the safety data sheet

UMCO GmbH - D-21107 Hamburg, Georg-Wilhelm-Strasse 187, Tel.: +49(40)555 546 300, Fax: +49(40)555 546 357, e-mail: umco@umco.de

This information is based on our present knowledge and experience.

The safety data sheet describes products with a view to safety requirements.

It does not however, constitute a guarantee for any specific product properties and shall not establish a legally valid contractual relationship.

Alterations/supplements:

Alterations to the previous edition are marked in the left-hand margin.

Safety data sheet in accordance with 1907/2006/EC



Trade name: PrimeStore Molecular Transport Medium® (MTM)

Current version : 2.0.0, issued: 26.10.2020

Replaced version: 1.0.1, issued: 16.09.2020

Region: GB

Document protected by copyright. Alterations or reproductions require the express written permission of UMCO GmbH.

Prod-ID 769218