

## Safety Data Sheet

according to UK REACH Regulation

### ESPOSTI's Fixative for Urine Cytology

Revision date: 05.04.2024

Product code: 12670.xxxxx

Page 1 of 14

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

##### 1.1. Product identifier

ESPOSTI's Fixative for Urine Cytology

UFI: GS24-W1X0-N00G-VNEG

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

###### Use of the substance/mixture

Use as laboratory reagent.

###### Uses advised against

Any non-intended use.

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

Company name: MORPHISTO GmbH  
Street: Schumannstr. 142/144  
Place: D-63069 Offenbach  
Telephone: +49 (0) 69 / 400 3019-60      Telefax: +49 (0) 69 / 400 3019-64  
E-mail: info@morphisto.de  
Contact person: Morphisto GmbH  
E-mail: gefahrstoffmanagement@morphisto.de  
Internet: http://www.morphisto.de

##### 1.4. Emergency telephone number:

Poison Information Center Mainz, Germany, Tel: +49(0)6131/19240

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### GB CLP Regulation

Flam. Liq. 2; H225  
Acute Tox. 3; H301  
Acute Tox. 3; H311  
Acute Tox. 3; H331  
Skin Irrit. 2; H315  
Eye Irrit. 2; H319  
STOT SE 1; H370

Full text of hazard statements: see SECTION 16.

##### 2.2. Label elements

###### GB CLP Regulation

###### Hazard components for labelling

methanol

Signal word: Danger

###### Pictograms:



###### Hazard statements

H225 Highly flammable liquid and vapour.  
H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.  
H370 Causes damage to organs.

## Safety Data Sheet

according to UK REACH Regulation

### ESPOSTI's Fixative for Urine Cytology

Revision date: 05.04.2024

Product code: 12670.xxxxx

Page 2 of 14

#### Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P260 Do not breathe mist/vapours/spray.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.

#### Labelling of packages where the contents do not exceed 125 ml

Signal word: Danger

Pictograms:



#### Hazard statements

H301+H311+H331-H370

#### Precautionary statements

P260-P280-P301+P310-P308+P311

#### 2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB) at levels of 0.1% or higher. Ecological information: The substance/mixture does not contain any components that are considered to be hazardous according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in amounts of 0.1 % or more have endocrine disrupting properties. Toxicological information: The substance/mixture does not contain any components that are to be classified according to REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605 in quantities of 0.1 % or more have endocrine disrupting properties.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

aqueous solution

##### Relevant ingredients

| CAS No  | Chemical name                                                                               |              |                  | Quantity    |
|---------|---------------------------------------------------------------------------------------------|--------------|------------------|-------------|
|         | EC No                                                                                       | Index No     | REACH No         |             |
|         | Classification (GB CLP Regulation)                                                          |              |                  |             |
| 67-56-1 | methanol                                                                                    |              |                  | 35 - < 40 % |
|         | 200-659-6                                                                                   | 603-001-00-X | 01-2119433307-44 |             |
|         | Flam. Liq. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT SE 1; H225 H331 H311 H301 H370 |              |                  |             |
| 64-19-7 | Acetic acid%                                                                                |              |                  | 10 - < 15 % |
|         | 200-580-7                                                                                   | 607-002-00-6 | 01-2119475328-30 |             |
|         | Flam. Liq. 3, Skin Corr. 1A; H226 H314                                                      |              |                  |             |

Full text of H and EUH statements: see section 16.

## Safety Data Sheet

according to UK REACH Regulation

### ESPOSTI's Fixative for Urine Cytology

Revision date: 05.04.2024

Product code: 12670.xxxxx

Page 3 of 14

#### Specific Conc. Limits, M-factors and ATE

| CAS No  | EC No     | Chemical name                                                                                                                                                                                        | Quantity    |
|---------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
|         |           | Specific Conc. Limits, M-factors and ATE                                                                                                                                                             |             |
| 67-56-1 | 200-659-6 | methanol                                                                                                                                                                                             | 35 - < 40 % |
|         |           | inhalation: LC50 = 3 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: LD50 = 300 mg/kg; oral: LD50 = 100 mg/kg STOT SE 1; H370: >= 10 - 100 STOT SE 2; H371: >= 3 - < 10         |             |
| 64-19-7 | 200-580-7 | Acetic acid%                                                                                                                                                                                         | 10 - < 15 % |
|         |           | inhalation: LC50 = >40 mg/l (vapours); oral: LD50 = 3530 mg/kg Skin Corr. 1A; H314: >= 90 - 100 Skin Corr. 1B; H314: >= 25 - < 90 Skin Irrit. 2; H315: >= 10 - < 25 Eye Irrit. 2; H319: >= 10 - < 25 |             |

#### Further Information

This product contains no substances of very high concern (SVHC) (>0,1%) which are included in the Candidate List according to Article 59 of REACH.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

##### After inhalation

If breathing is irregular or stopped, administer artificial respiration. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Provide fresh air. In case of breathing difficulties administer oxygen. In case of irregular breathing or respiratory arrest provide artificial respiration. Call a physician immediately.

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. Call a physician immediately.

##### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

##### After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth thoroughly with water. Induce vomiting when the affected person is not unconscious. Never give anything by mouth to an unconscious person or a person with cramps. Call a physician immediately.

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

Possible harmful effect(s) on human beings and possible symptom(s): Headache. drowsiness. Nausea. vomiting. eye defects.

Ingestion: Toxic: danger of very serious irreversible effects if swallowed. Fatal if swallowed. (> 100 ml) If swallowed there is a risk of going blind.

Inhalation: Toxic: danger of very serious irreversible effects through inhalation.

Skin contact: Large-scale skin contact may cause severe poisoning. Has de-greasing effect on the skin. Repeated exposure may cause skin dryness or cracking.

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

First Aid, decontamination, treatment of symptoms.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Water spray jet, Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder.

**Safety Data Sheet**

according to UK REACH Regulation

**ESPOSTI's Fixative for Urine Cytology**

Revision date: 05.04.2024

Product code: 12670.xxxxx

Page 4 of 14

**Unsuitable extinguishing media**

High power water jet.

**5.2. Special hazards arising from the substance or mixture**Highly flammable. Vapours can form explosive mixtures with air. In case of fire may be liberated: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).**5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Remove all sources of ignition. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Provide adequate ventilation. Avoid exposure.

**6.2. Environmental precautions**

Do not allow uncontrolled discharge of product into the environment. Explosion risk. Do not allow to enter into surface water or drains. Eliminate leaks immediately. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Discharge into the environment must be avoided.

**6.3. Methods and material for containment and cleaning up****For cleaning up**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**Other information**

Clear contaminated areas thoroughly.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Avoid exposure. Avoid contact with skin, eyes and clothes. Wear suitable protective clothing. ( See section 8. )

Provide adequate ventilation as well as local exhaustion at critical locations.

Use extractor hood (laboratory).

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.

Vapours can form explosive mixtures with air.

**Advice on general occupational hygiene**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff. Always close containers tightly after the removal of product. Wash contaminated clothing prior to re-use. Used working clothes should not be worn outside the work area. Street clothing should be stored separately from work clothing.

## Safety Data Sheet

according to UK REACH Regulation

### ESPOSTI's Fixative for Urine Cytology

Revision date: 05.04.2024

Product code: 12670.xxxxx

Page 5 of 14

#### Further information on handling

Flammable vapours can accumulate in head space of closed systems.

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

##### Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Recommended storage temperature: 15°-25°C

##### Hints on joint storage

Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances. Do not store together with: Organic peroxides: Infectious substances. Oxidizing solids. Oxidizing liquids. Radioactive substances. Food and fodder. Explosives. Substances or mixtures which, in contact with water, emit flammable gases. Gases under pressure. Pyrophoric liquids and solids.

##### Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place. Protect against: UV-radiation/sunlight.

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

See section 1.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

| CAS No  | Substance   | ppm | mg/m <sup>3</sup> | fibres/ml | Category      | Origin |
|---------|-------------|-----|-------------------|-----------|---------------|--------|
| 64-19-7 | Acetic acid | 10  | 25                |           | TWA (8 h)     | WEL    |
|         |             | 20  | 50                |           | STEL (15 min) | WEL    |
| 67-56-1 | Methanol    | 200 | 266               |           | TWA (8 h)     | WEL    |
|         |             | 250 | 333               |           | STEL (15 min) | WEL    |

##### DNEL/DMEL values

| CAS No  | Substance                | Exposure route | Effect   | Value                 |
|---------|--------------------------|----------------|----------|-----------------------|
| 67-56-1 | methanol                 |                |          |                       |
|         | Worker DNEL, acute       | inhalation     | local    | 260 mg/m <sup>3</sup> |
|         | Worker DNEL, acute       | dermal         | systemic | 40 mg/kg bw/day       |
|         | Worker DNEL, acute       | inhalation     | systemic | 260 mg/m <sup>3</sup> |
|         | Worker DNEL, long-term   | inhalation     | local    | 260 mg/m <sup>3</sup> |
|         | Worker DNEL, long-term   | dermal         | systemic | 40 mg/kg bw/day       |
|         | Worker DNEL, long-term   | inhalation     | systemic | 260 mg/m <sup>3</sup> |
| 64-19-7 | Acetic acid%             |                |          |                       |
|         | Worker DNEL, long-term   | inhalation     | local    | 25 mg/m <sup>3</sup>  |
|         | Worker DNEL, acute       | inhalation     | local    | 25 mg/m <sup>3</sup>  |
|         | Consumer DNEL, long-term | inhalation     | local    | 25 mg/m <sup>3</sup>  |
|         | Consumer DNEL, acute     | inhalation     | local    | 25 mg/m <sup>3</sup>  |

**Safety Data Sheet**

according to UK REACH Regulation

**ESPOSTI's Fixative for Urine Cytology**

Revision date: 05.04.2024

Product code: 12670.xxxxx

Page 6 of 14

**PNEC values**

| CAS No                                           | Substance    | Value       |
|--------------------------------------------------|--------------|-------------|
| Environmental compartment                        |              |             |
| 67-56-1                                          | methanol     |             |
| Freshwater                                       |              | 20,8 mg/l   |
| Marine water                                     |              | 2,08 mg/l   |
| Marine water (intermittent releases)             |              | 1540 mg/l   |
| Freshwater sediment                              |              | 77 mg/kg    |
| Marine sediment                                  |              | 7,7 mg/kg   |
| Micro-organisms in sewage treatment plants (STP) |              | 100 mg/l    |
| Soil                                             |              | 3,18 mg/kg  |
| 64-19-7                                          | Acetic acid% |             |
| Freshwater                                       |              | 3,058 mg/l  |
| Freshwater (intermittent releases)               |              | 30,58 mg/l  |
| Marine water                                     |              | 0,306 mg/l  |
| Freshwater sediment                              |              | 11,36 mg/kg |
| Marine sediment                                  |              | 1,136 mg/kg |
| Micro-organisms in sewage treatment plants (STP) |              | 85 mg/l     |
| Soil                                             |              | 0,47 mg/kg  |

**8.2. Exposure controls**

**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Use extractor hood (laboratory). Provide adequate ventilation as well as local exhaustion at critical locations.

**Individual protection measures, such as personal protective equipment**
**Eye/face protection**

Suitable eye protection: goggles. Tightly sealed safety glasses. EN 166

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Pull-over gloves of rubber. EN ISO 374

Suitable material:

(penetration time (maximum wearing period):  $\geq$  8 h):

Butyl rubber.

(penetration time (maximum wearing period):  $\geq$  4 h):

FKM (fluororubber).

(penetration time (maximum wearing period):  $\geq$  1 h):

CR (polychloroprenes, Chloroprene rubber).

Before using check leak tightness / impermeability. In the case of wanting to use the gloves again, clean them before taking off and air them well.

## Safety Data Sheet

according to UK REACH Regulation

### ESPOSTI's Fixative for Urine Cytology

Revision date: 05.04.2024

Product code: 12670.xxxxx

Page 7 of 14

#### Skin protection

Suitable protective clothing: Protective apron.

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection. Respiratory protection necessary at:

Insufficient ventilation.

insufficient absorption.

exceeding exposure limit values

Suitable respiratory protective equipment: Self-contained respirator (breathing apparatus)

 Filter type: AX for low boilers in group 1 can be used at a maximum pollutant concentration in the breathing air of 100 ml/m<sup>3</sup> (0.01 vol.-%) max. 40 min and 500 ml/m<sup>3</sup> (0.05 vol.-%) max. Can be used for 20 minutes!

Details on the requirements for use and maximum concentrations can be found in the "Rules for the use of respiratory protective devices" (BGR 190).

#### Thermal hazards

Flame-retardant protective clothing. Wear anti-static footwear and clothing

#### Environmental exposure controls

Do not empty into drains. Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                           |            |                        |
|-----------------------------------------------------------|------------|------------------------|
| Physical state:                                           | liquid     |                        |
| Colour:                                                   | colourless |                        |
| Odour:                                                    | Alcohol.   |                        |
| Melting point/freezing point:                             |            | not determined         |
| Boiling point or initial boiling point and boiling range: |            | not determined         |
| Flammability:                                             |            | not determined         |
| Lower explosion limits:                                   |            | not determined         |
| Upper explosion limits:                                   |            | not determined         |
| Flash point:                                              |            | 15 °C                  |
| Auto-ignition temperature:                                |            | not determined         |
| Decomposition temperature:                                |            | not determined         |
| pH-Value:                                                 |            | not determined         |
| Viscosity / kinematic:                                    |            | not determined         |
| Water solubility:<br>(at 20 °C)                           |            | miscible.              |
| Solubility in other solvents<br>Alcohol.                  |            |                        |
| Partition coefficient n-octanol/water:                    |            | not determined         |
| Vapour pressure:<br>(at 20 °C)                            |            | 129 hPa                |
| Density (at 20 °C):                                       |            | 0,91 g/cm <sup>3</sup> |
| Relative vapour density:                                  |            | not determined         |
| Particle characteristics:                                 |            | not applicable         |

### 9.2. Other information

#### Information with regard to physical hazard classes

##### Explosive properties

The product is not: Explosive. In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

##### Oxidizing properties

none

#### Further Information

**Safety Data Sheet**

according to UK REACH Regulation

**ESPOSTI's Fixative for Urine Cytology**

Revision date: 05.04.2024

Product code: 12670.xxxxx

Page 8 of 14

No information available.

**SECTION 10: Stability and reactivity**
**10.1. Reactivity**

No information available.

**10.2. Chemical stability**

Stable under normal storage and handling conditions.

**10.3. Possibility of hazardous reactions**

Substances which in contact with water, emit flammable gases.

**10.4. Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air. Keep away from heat.

In case of warming: Explosion hazard Ignition hazard.

Heating causes rise in pressure with risk of bursting.

**10.5. Incompatible materials**

Oxidizing agents, strong. acid. Slowly corrodes aluminium and zink under hydrogen evolution. Substances which in contact with water, emit flammable gases.

**10.6. Hazardous decomposition products**

 In case of fire may be liberated: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**SECTION 11: Toxicological information**
**11.1. Information on hazard classes as defined in GB CLP Regulation**
**Acute toxicity**

Toxic if swallowed.

Toxic in contact with skin.

Toxic if inhaled.

**ATEmix calculated**

ATE (oral) 255,8 mg/kg; ATE (dermal) 767,3 mg/kg; ATE (inhalation vapour) 7,670 mg/l; ATE (inhalation dust/mist) 1,279 mg/l

| CAS No  | Chemical name           |                 |         |                |        |
|---------|-------------------------|-----------------|---------|----------------|--------|
|         | Exposure route          | Dose            | Species | Source         | Method |
| 67-56-1 | methanol                |                 |         |                |        |
|         | oral                    | LD50 100 mg/kg  | Rat     | suppliers SDS. |        |
|         | dermal                  | LD50 300 mg/kg  | Rabbit  | suppliers SDS. |        |
|         | inhalation (4 h) vapour | LC50 3 mg/l     | Rat     | suppliers SDS. |        |
|         | inhalation dust/mist    | ATE 0,5 mg/l    |         |                |        |
| 64-19-7 | Acetic acid%            |                 |         |                |        |
|         | oral                    | LD50 3530 mg/kg | Rat     | GESTIS         |        |
|         | inhalation (4 h) vapour | LC50 >40 mg/l   | Rat     | suppliers SDS. |        |

**Irritation and corrosivity**

Causes skin irritation.

Causes serious eye irritation.

**Sensitising effects**

Based on available data, the classification criteria are not met.



## Safety Data Sheet

according to UK REACH Regulation

### ESPOSTI's Fixative for Urine Cytology

Revision date: 05.04.2024

Product code: 12670.xxxxx

Page 9 of 14

#### Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

#### STOT-single exposure

Causes damage to organs. (methanol)

#### STOT-repeated exposure

Based on available data, the classification criteria are not met.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### 11.2. Information on other hazards

##### Endocrine disrupting properties

This product does not contain any substance that has endocrine disrupting properties in humans as no ingredient meets the criteria.

##### Other information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP]. Special hazards arising from the substance or mixture!

### SECTION 12: Ecological information

#### 12.1. Toxicity

Based on available data, the classification criteria are not met.

| CAS No  | Chemical name            |               |           |         |                                 |                          |
|---------|--------------------------|---------------|-----------|---------|---------------------------------|--------------------------|
|         | Aquatic toxicity         | Dose          | [h]   [d] | Species | Source                          | Method                   |
| 67-56-1 | methanol                 |               |           |         |                                 |                          |
|         | Acute fish toxicity      | LC50<br>mg/l  | 15400     | 96 h    | Lepomis macrochirus             | ECHA Dossier             |
|         | Acute algae toxicity     | ErC50<br>mg/l | 22000     | 96 h    | Pseudokirchneriella subcapitata | ECHA Dossier             |
|         | Acute crustacea toxicity | EC50<br>mg/l  | >1000     | 48 h    | Daphnia magna                   | ECHA Dossier<br>OECD 202 |
| 64-19-7 | Acetic acid%             |               |           |         |                                 |                          |
|         | Acute fish toxicity      | LC50<br>mg/l  | >300      | 96 h    | Oncorhynchus mykiss             | ECHA Dossier             |
|         | Acute algae toxicity     | ErC50<br>mg/l | >300      | 72 h    | Skeletonema costatum            | ECHA Dossier             |
|         | Acute crustacea toxicity | EC50<br>mg/l  | >300      | 48 h    | Daphnia magna                   | ECHA Dossier             |

#### 12.2. Persistence and degradability

The product has not been tested.

| CAS No  | Chemical name                                                 |       |    |                |
|---------|---------------------------------------------------------------|-------|----|----------------|
|         | Method                                                        | Value | d  | Source         |
|         | Evaluation                                                    |       |    |                |
| 67-56-1 | methanol                                                      |       |    |                |
|         | other guideline                                               | 96%   | 20 | ECHA Dossier   |
|         | Easily biodegradable (concerning to the criteria of the OECD) |       |    |                |
| 64-19-7 | Acetic acid%                                                  |       |    |                |
|         | Other guideline                                               | 95%   | 5  | suppliers SDS. |
|         | Easily biodegradable (concerning to the criteria of the OECD) |       |    |                |

#### 12.3. Bioaccumulative potential

The product has not been tested.

**Safety Data Sheet**

according to UK REACH Regulation

**ESPOSTI's Fixative for Urine Cytology**

Revision date: 05.04.2024

Product code: 12670.xxxxx

Page 10 of 14

**Partition coefficient n-octanol/water**

| CAS No  | Chemical name | Log Pow |
|---------|---------------|---------|
| 67-56-1 | methanol      | -0,77   |
| 64-19-7 | Acetic acid%  | -0,17   |

**BCF**

| CAS No  | Chemical name | BCF  | Species | Source |
|---------|---------------|------|---------|--------|
| 67-56-1 | methanol      | <10  |         |        |
| 64-19-7 | Acetic acid%  | 3,16 |         |        |

**12.4. Mobility in soil**

No information available.

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

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

No information available.

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Do not allow uncontrolled discharge of product into the environment.

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**
**Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal. Observe in addition any national regulations!

**List of Wastes Code - residues/unused products**

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

**List of Wastes Code - used product**

160506 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; laboratory chemicals, consisting of or containing hazardous substances, including mixtures of laboratory chemicals; hazardous waste

**List of Wastes Code - contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

**Contaminated packaging**

Hazardous waste according to Directive 2008/98/EC (waste framework directive). Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled.

**SECTION 14: Transport information**
**Land transport (ADR/RID)**

- 14.1. UN number or ID number:** UN 1230  
**14.2. UN proper shipping name:** METHANOL

**Safety Data Sheet**

according to UK REACH Regulation

**ESPOSTI's Fixative for Urine Cytology**

Revision date: 05.04.2024

Product code: 12670.xxxxx

Page 11 of 14

**14.3. Transport hazard class(es):**

3

**14.4. Packing group:**

II

Hazard label:

3+6.1



Classification code:

FT1

Special Provisions:

279

Limited quantity:

1 L

Excepted quantity:

E2

Transport category:

2

Hazard No:

336

Tunnel restriction code:

D/E

**Inland waterways transport (ADN)**

**14.1. UN number or ID number:**

UN 1230

**14.2. UN proper shipping name:**

METHANOL

**14.3. Transport hazard class(es):**

3

**14.4. Packing group:**

II

Hazard label:

3+6.1



Classification code:

FT1

Special Provisions:

279 802

Limited quantity:

1 L

Excepted quantity:

E2

**Marine transport (IMDG)**

**14.1. UN number or ID number:**

UN 1230

**14.2. UN proper shipping name:**

METHANOL

**14.3. Transport hazard class(es):**

3

**14.4. Packing group:**

II

Hazard label:

3+6.1



Special Provisions:

279

Limited quantity:

1 L

Excepted quantity:

E2

EmS:

F-E, S-D

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number or ID number:**

UN 1230

**14.2. UN proper shipping name:**

METHANOL

**14.3. Transport hazard class(es):**

3

**14.4. Packing group:**

II

Hazard label:

3+6.1



Special Provisions:

A113

Limited quantity Passenger:

1 L

Passenger LQ:

Y341

**Safety Data Sheet**

according to UK REACH Regulation

**ESPOSTI's Fixative for Urine Cytology**

Revision date: 05.04.2024

Product code: 12670.xxxxx

Page 12 of 14

|                                        |    |      |
|----------------------------------------|----|------|
| Excepted quantity:                     | E2 |      |
| IATA-packing instructions - Passenger: |    | 352  |
| IATA-max. quantity - Passenger:        |    | 1 L  |
| IATA-packing instructions - Cargo:     |    | 364  |
| IATA-max. quantity - Cargo:            |    | 60 L |

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Warning: Combustible liquid. Acute Toxicity. Refer to section 6-8

**14.7. Maritime transport in bulk according to IMO instruments**

not relevant

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

Information according to Directive H2 ACUTE TOXIC

2012/18/EU (SEVESO III):

Additional information: P5c

**Additional information**

This preparation is hazardous in the sense of regulation (EC) No 1272/2008 [GHS].

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 2 - obviously hazardous to water

Skin resorption/Sensitization: Permeates easily through outer skin and causes poisoning.

**15.2. Chemical safety assessment**

For the following substances of this mixture a chemical safety assessment has been carried out:

methanol

Acetic acid%

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s):

1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16.

Rev 1,00; 25.08.2014 Initial release

Rev. 2,0; 05.04.2024; general adjustment(s)

**Safety Data Sheet**

according to UK REACH Regulation

**ESPOSTI's Fixative for Urine Cytology**

Revision date: 05.04.2024

Product code: 12670.xxxxx

Page 13 of 14

**Abbreviations and acronyms**

Flam. Liq: Flammable liquids  
Acute Tox: Acute toxicity  
Skin Corr: Skin corrosion  
Skin Irrit: Skin irritation  
Eye Irrit: Eye irritation  
STOT SE: Specific target organ toxicity - single exposure  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the  
  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organization  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
OSHA: Occupational Safety and Health Administration  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
NOEL: No observed effect level  
NOAEL: No observed adverse effect level  
LOAEL: Lowest observed adverse effect level  
NOAEC: No observed adverse effect level  
LOAEC: Lowest observed adverse effect concentration  
DNEL: Derived No Effect Level  
PNEC: predicted no effect concentration  
TSCA: Toxic Substances Control Act  
IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER  
NTP: National Toxicology Program  
SARA: Superfund Amendments and Reauthorization Act  
GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)  
PBT: Persistent bioaccumulative toxic  
SVHC: substance of very high concern  
CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
EC/EEC: European Community/European Economic Community  
EU: European Union  
CAS: Chemical Abstracts Service  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
M-factor: Multiplying factor

## Safety Data Sheet

according to UK REACH Regulation

### ESPOSTI's Fixative for Urine Cytology

Revision date: 05.04.2024

Product code: 12670.xxxxx

Page 14 of 14

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 RID: Regulations concerning the international carriage of dangerous goods by rail  
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation  
 intérieures)  
 EmS: Emergency Schedules  
 MFAG: Medical First Aid Guide  
 IATA: International Air Transport Association  
 DGR: Dangerous Goods Regulations  
 ICAO: International Civil Aviation Organization  
 TI: Technical Instructions  
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
 IBC: Intermediate Bulk Container  
 VOC: volatile organic compound  
 For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety  
 assessment, chapter R.20 (Table of terms and abbreviations).

#### Classification for mixtures and used evaluation method according to GB CLP Regulation

| Classification      | Classification procedure |
|---------------------|--------------------------|
| Flam. Liq. 2; H225  | On basis of test data    |
| Acute Tox. 3; H301  | Calculation method       |
| Acute Tox. 3; H311  | Calculation method       |
| Acute Tox. 3; H331  | Calculation method       |
| Skin Irrit. 2; H315 | Calculation method       |
| Eye Irrit. 2; H319  | Calculation method       |
| STOT SE 1; H370     | Calculation method       |

#### Relevant H and EUH statements (number and full text)

|                |                                                         |
|----------------|---------------------------------------------------------|
| H225           | Highly flammable liquid and vapour.                     |
| H226           | Flammable liquid and vapour.                            |
| H301           | Toxic if swallowed.                                     |
| H301+H311+H331 | Toxic if swallowed, in contact with skin or if inhaled. |
| H311           | Toxic in contact with skin.                             |
| H314           | Causes severe skin burns and eye damage.                |
| H315           | Causes skin irritation.                                 |
| H319           | Causes serious eye irritation.                          |
| H331           | Toxic if inhaled.                                       |
| H370           | Causes damage to organs.                                |

#### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*