



# MATERIAL SAFETY DATA SHEET

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

### 1.1. Product identifier

**Cleaner for Mythic 22 (HM22-001-1)**

Cleaning solution for hematology analyzer Mythic 22.

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

No further relevant information available.

Application of the substance / the mixture : For Laboratory, Research or Manufacturing use.

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

Manufacturer:

**Orphée S.A.**

19 chemin du Champ-des-Filles

CH-1228 Plan-les-Ouates / Geneva

SWITZERLAND

+48 22 4907701

### 1.4. Emergency telephone number

Emergency telephone number: 112

## 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.

### 2.2. Label elements

**Labelling according to Regulation (EC) No 1272/2008** : Void

**Hazard pictograms** : Void

**Signal word** : Void

**Hazard statements** : Void



## 2.3. Other hazards

### Results of PBT and vPvB assessment

**PBT** : Not applicable.

**vPvB** : Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

No applicable.

### 3.2. Mixtures

**Description:** Mixture of the substances with harmless additions.

**Additional information** For the wording of the listed risk phrases refer to section 16.

Dangerous components:			
CAS: 57-55 -6 EINECS: 200-338-0	Propylene Glycol	substance with a Community workplace exposure limit	2.5 – 10 %

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** The product is not skin irritating.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** In case of persistent symptoms consult doctor.

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

No further relevant information available.

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

No further relevant information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

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

No further relevant information available.



### 5.3. Advice for firefighters

Protective equipment: No special measures required.

## SECTION 6: Accidental release measures

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

Not required.

### 6.2. Environmental precautions

Dilute with plenty of water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

### 6.4. Reference to other sections

No dangerous materials are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

No special precautions necessary if used correctly.

- **Information about protection against explosions and fires:** no special requirements

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

- **Storage**

- **Requirements to be met by storerooms and containers:** No special requirements.

- **Information about storage in one common storage facility:** Not required.

- **Further information about storage conditions:** None.

### 7.3. Specific end use(s)

No further relevant information available.



## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Components with critical values that require monitoring at the workplace:	
57-55-6 Propylene Glycol	
WEL	Long-term value: 474* 10** [mg/m <sup>3</sup> ], 150*[ppm] *total vapour and particulates, **particulates

**Additional information:** The lists that were valid during the compilation were used as basis.

### 8.2. Exposure controls

<b>- Personal protective equipment</b>
<b>- General protective and hygienic measures</b> The usual precautionary measures should be adhered to in handling the chemicals.
<b>- Breathing equipment:</b> Not required.
<b>- Protection of hands:</b> The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
<b>- Material of gloves</b> The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
<b>- Penetration time of glove material</b> The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
<b>- Eye protection:</b> Safety glasses recommended during refilling.

## SECTION 9: Physical and chemical properties

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

General information	
Appearance :	
Form:	Fluid
Colour:	According to product specification
Smell:	characteristic
Odour threshold :	no data available
pH value:	no data available
Change in conditions:	



Melting point/Melting range	0 [°C]
Boiling point/Boiling range	100 [°C]
Flash point:	no data available
Inflammability (solid, gaseous)	Not applicable.
Ignition temperature:	371 [°C]
Decomposition temperature:	No determined.
Self-inflammability:	Product is not selfigniting.
Danger of explosion	Product is not explosive
Critical values for explosion	
Lower:	Not determined
Upper:	Not determined
Steam pressure at 20 °C	23 [hPa]
Density at 20 °C	1 [g/cm <sup>3</sup> ]
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
Water:	Fully miscible
Partition coefficient (n-octanol/water)	Not determined.
Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.

## 9.2. Other information

No further relevant information available.

VOC in [g/l] : 924.3

VOC in % : 9.20



## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available.

### 10.2. Chemical stability

**Thermal decomposition / conditions to be avoided:** Heat, boiling temperatures.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known.

### 10.4. Conditions to avoid

No further relevant information available.

### 10.5. Incompatible materials

No further relevant information available.

### 10.6. Hazardous decomposition products

No dangerous decomposition products known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

- **Acute toxicity**
- **Primary irritant effect:**
- **Skin corrosion/irritation** No irritant effect.
- **Serious eye damage/irritation** No irritant effect.
- **Respiratory or skin sensitization** No sensitizing effect known.
- **Additional toxicological information:**

The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

## SECTION 12: Ecological information

### 12.1. Toxicity

**Aquatic toxicity:** No further relevant information available.

### 12.2. Persistence and degradability

No further relevant information available.

### 12.3. Bioaccumulative potential

No further relevant information available.

### 12.4 Mobility in soil

#### **Additional ecological information:**

##### **- General notes:**

Water hazard class (D) 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.



## 12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

## 12.6. Other adverse effects

No further relevant information available.

# SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

- **Recommendation** Smaller quantities can be disposed with household garbage.

- **Uncleaned packagings:**

- **Recommendation:** Disposal must be made according to official regulations.

- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

# SECTION 14: Transport information

## 14.1. UN number

- ADR, ADN, IMDG, IATA : Void

## 14.2. UN proper shipping name

- ADR, ADN, IMDG, IATA : Void

## 14.3. Transport hazard class(es)

- ADR, ADN, IMDG, IATA

- Class : Void

## 14.4. Packing group

- ADR, IMDG, IATA : Void

## 14.5. Environmental hazards

- Marine pollution : No.

## 14.6. Special precautions for user

Not applicable.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

UN "Model Regulation" : -



## SECTION 15: Regulatory information

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

- Labelling according to Regulation (EC) No 1272/2008	: Void
- Hazard pictograms	: Void
- Signal word	: Void
- Hazard statements	: Void
- Directive 2012/18/EU	
- Named dangerous substances - ANNEX I None of the ingredients is listed.	

### 15.2. Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### - Abbreviations and acronyms:

**RID:** Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

**IATA-DGR:** Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

**ICAO:** International Civil Aviation Organisation

**ICAO-TI:** Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

**ADR:** Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

**IMDG:** International Maritime Code for Dangerous Goods

**IATA:** International Air Transport Association

**GHS:** Globally Harmonised System of Classification and Labelling of Chemicals

**EINECS:** European Inventory of Existing Commercial Chemical Substances

**ELINCS:** European List of Notified Chemical Substances

**CAS:** Chemical Abstracts Service (division of the American Chemical Society)

- \* Data compared to the previous version altered