



Material Safety Data Sheet

Manufacturer: Orphée S.A.
19 chemin du Champ-des-Filles
1228 Plan-les-Ouates

Date of card preparation: 30/09/2010
Date of revision: ---

1. Identification of the preparation:

Enzymatic Cleaner (HM18-001-1)
Cleaning solution for haematology analyser Mythic 18.

2. Hazards Identification:

The preparation is not regarded as dangerous.

3. Composition/Information on components:

Product does not contain any substances classified as dangerous.

4. First Aid Measures:

After exposure by respiratory tract: Fresh air.
After skin contamination: Wash off with large amount of water. Take off contaminated clothing.
After contamination of eyes: Rinse with large amount of water.
After consumption: Give the sufferer a lot of water to drink.
If the sufferer feels unwell, consult a doctor / ambulance.

5. Fire Fighting Measures:

Suitable extinguishing media:
In adaptation to materials stored in the immediate neighborhood. Water, CO₂ powder, foam. During fire thermal decomposition of the substances contained in the preparation may occur. As a result of that toxic smokes and gases may be formed, which contain in hydrogen fluoride.
The rescuers must be equipped with protective clothing and respiratory tract isolating equipment, irrespective of ambient air.
The preparation is not a flammable substance.

6. Accidental Release Measures:

Preventive measures related to the staff:

Avoid contamination with the preparation.
Notify the neighbourhood of the breakdown.
Do not inhale vapours/aerosols.
Secure the flow of fresh air into closed rooms.

Measures for environmental protection:

Dilute with plenty of water.
Do not let the substance penetrate into the sewage system.

Cleaning/absorption procedures:

Collect with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Rinse with large amount of water if necessary.

Additional information:

No dangerous materials are released.

7. Handling and Storage:

Procedures:

In accordance with the norms generally accepted for chemicals in laboratories.
While working with the preparation, one should use appropriate means of personal protection (see pt. 8).
Avoid contact of the preparation with skin and eyes, as well as inhaling its mists.
Secure efficient local ventilation.
You must not have meals, drink, or smoke tobacco while working with the preparation, except in places designed for that purpose.

Storage:

Hermetically closed. In temperature from +8°C do +30°C. Protect from contamination.

8. Exposure Controls/Personal Protection:

Appropriate control parameter: See Polish regulations.

Fluorides (HF):

NDS – 1.0 mg/m³, NDSh – 3.0 mg/m³

Personal protective equipment:

Respiratory passages: Not required.

Eyes: Not required (safety glasses).

Hands: Required (protective gloves).

Industrial hygiene: You must not have meals, drink, or smoke tobacco while working with the preparation, except in places designed for that purpose. Wash your hands after work with the substance carefully with soapy water. Apply skin-protective barrier cream.

9. Physical and Chemical Properties:

Form: clear solution, foaming

Colour: blue

Odour: weak, smell of 2-phenoxyethanol

Vapour pressure: no data available

Boiling temperature: no data available

Melting temperature: no data available

Ignition temperature: no data available

Flammability: incombustible

Osmolality: no data available

Electrical conductivity: 14 – 20 mS/cm (25°C)

Density: no data available

pH: 7.5 – 8.5 (25°C)

10. Stability and Reactivity:

Conditions that should be avoided:

The preparation is stable in conditions provided by the manufacturer.

Substances that should be avoided:

Heavy metals, metal salts, acids.

Dangerous decomposition products:

In the case of fire: hydrogen fluoride.

Further information:

A stabilized product.

11. Toxicological Information:

Acute toxicity:

Quantitative data on the toxicity of this product are not available.

Further toxicological information:

Toxic activity should not be expected if you use this product appropriately.

Further data:

The product should be handled with the care usual when dealing with chemicals.

12. Ecological Information:

Ecotoxic activity:

Quantitative data on the ecological effect of this product are not available.

Further ecological data:

Ecological problems should not be expected if you use and apply the product appropriately.

13. Disposal Considerations:

Product:

Chemical residues, in general, are included into special waste. Disposing of the latter is regulated by appropriate laws and ordinances. We recommend contacting the appropriate authorities, or waste disposal enterprises that will advise you on how to dispose of special waste.

Packing:

Remove in accordance with official regulations. Treat contaminated packages in the same way as the substance itself. If the regulations do not provide otherwise, non-contaminated packages can be treated like household waste or forward them to be utilized.

14. Transportation Information:

The product is not subject to transport regulations.

15. Regulatory Information:

Marking: Not applicable.

Material Safety Data Sheet was prepared in accordance with:

The EC Directive Nr UE2001/58/WE, the EC Directive Nr 1999/45/EG, the EC Directive 67/548 EEC, EC Directive 88/379/EEC or the EC Directive 91/155/EEC (Dangerous Product Regulations incl. EC Guidelines).

Regulation (EC) No 1907/2006 of European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (attachment II). See Polish regulations.

16. Other Information:

The foregoing information is based on the present state of our knowledge. It characterizes the product with respect to the appropriate safety measures. They do not guarantee the properties of the product.

We do not take responsibility for damage and losses that may result from inappropriate use of the preparation.

The foregoing safety chart prepared in electronic version is legally valid without sign manual.