

# Safety Data Sheet

acc. to GHS


Printing date 01/17/2015

Revision: 01/17/2015

## 1 Identification

- **Product identifier**
- **Trade name:** ***MBT Sepsityper IVD Kit – Lysis Buffer***
- **Article number:** 1834338
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Laboratory chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Bruker Daltonik GmbH  
Fahrenheitstrasse 4  
D-28359 Bremen / Germany  
Tel.: +49(421) 2205-0  
Fax : +49(421) 2205-100  
E-mail: care@bruker.com
- **Informing department:**  
Bruker Daltonik GmbH  
Tel.: +49 (421) 2205-240
- **Emergency telephone number:**  
Tel.: +49 (361)730730 (24h)  
Gemeinsames Giftinformationszentrum (GGIZ) (Poison Information Center)  
  
United Kingdom of Great Britain and Northern Ireland  
Regional Medicines and Poisons Information Centre NI, +44 28 90 63 2032  
  
Australia  
Queensland Poisons Information Centre, +61 7 363 68 148  
Victorian Poisons Information Centre, +61 394 96 4509  
Western Australian Poisons Information Centre, +61 893 46 1943  
NSW Poisons Information Centre, +61 2 984 53 595  
Centre Antipoison du Québec, Tel.: 1 800 463 5060 (24h)

## 2 Hazard identification

- **Classification of the substance or mixture**  
Eye Dam. 1 H318 Causes serious eye damage.  
Skin Irrit. 2 H315 Causes skin irritation.
- **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**  
Xi; Irritant  
R41: Risk of serious damage to eyes.
- **Information concerning particular hazards for human and environment:**  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Label elements**
- **GHS label elements**  
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**  
  
GHS05
- **Signal word** Danger

(Contd. on page 2)

# Safety Data Sheet

acc. to GHS

Printing date 01/17/2015

Revision: 01/17/2015

Trade name: **MBT Sepsityper IVD Kit – Lysis Buffer**

(Contd. of page 1)

· **Hazard-determining components of labelling:**

anionic surfactant

(Ref.: 722 43/00/2010.0030, Germany)

· **Hazard statements**

Causes skin irritation.

Causes serious eye damage.

· **Precautionary statements**

Wear protective gloves/protective clothing/eye protection/face protection.

Wash thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER/doctor.

Specific treatment (see on this label).

If skin irritation occurs: Get medical advice/attention.

· **Hazard designation:**

· **WHMIS-symbols:**

D2B - Toxic material causing other toxic effects



· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

## 3 Composition/Information on ingredients

· **Chemical characterisation: Mixtures**

· **Description:** Mixture of the substances listed below with harmless additions.

· **Dangerous components:**

anionic surfactant

(Ref.: 722 43/00/2010.0030, Germany)

☒ Xn R20/22; ☒ Xi R37/38-41; ☒ F R11

☒ Flam. Sol. 1, H228; ☒ Eye Dam. 1, H318; ☒ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335; Aquatic Chronic 3, H412

10-25%

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

## 4 First aid measures

· **Description of first aid measures**

· **General information** Instantly remove any clothing soiled by the product.

· **After inhalation** Take affected persons into the open air and position comfortably

· **After skin contact**

Instantly wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

· **After swallowing**

Rinse out mouth and then drink plenty of water.

Call a doctor immediately.

· **Information for doctor** No particular measures are known - treat according to symptoms.

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

(Contd. on page 3)

CA-GB

# Safety Data Sheet

## acc. to GHS

Printing date 01/17/2015

Revision: 01/17/2015

**Trade name:** ***MBT Sepsityper IVD Kit – Lysis Buffer***

(Contd. of page 2)

- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Firefighting measures

- **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.
- **Special hazards arising from the substance or mixture**  
Formation of toxic gases is possible during heating or in case of fire.
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained breathing apparatus.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing.  
Avoid contact with eyes and skin.
- **Environmental precautions:**  
Do not allow product to reach sewage system or water bodies.  
Do not allow to enter the ground/soil.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose of the material collected according to regulations.
- **Reference to other sections**  
See Section 13 for information on disposal.  
See Section 8 for information on personal protection equipment.

### 7 Handling and storage

- **Handling**
- **Precautions for safe handling**  
The usual precautionary measures for handling chemicals must be observed.  
No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:** Store only in the original container.
- **Information about storage in one common storage facility:**  
Store away from foodstuffs.  
Store away from oxidising agents.
- **Further information about storage conditions:**  
Protect from frost.  
Protect from heat and direct sunlight.
- **Storage class 6.1 C**
- **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/ Personal protection

- **Additional information about design of technical systems:** No further data; see item 7.

(Contd. on page 4)

CA-GB

# Safety Data Sheet

## acc. to GHS

Printing date 01/17/2015

Revision: 01/17/2015

Trade name: **MBT Sepsityper IVD Kit – Lysis Buffer**

(Contd. of page 3)

- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

- **DNELs**

**anionic surfactant**
**(Ref.: 722 43/00/2010.0030, Germany)**

Oral	DNEL Langzeit Verbraucher / Long-term consumer	24 mg/kg/bw/d (-)
Dermal	DNEL - Arbeiter / worker	4050 mg/kg/bw/d (-)
	DNEL Langzeit Verbraucher / Long-term consumer	2440 mg/kg/bw/d (-)
Inhalative	DNEL - Arbeiter / worker	285 mg/m <sup>3</sup> (-)
	DNEL Langzeit Verbraucher / Long-term consumer	85 mg/m <sup>3</sup> (-)

- **PNECs**

**anionic surfactant**
**(Ref.: 722 43/00/2010.0030, Germany)**

PNEC Langzeit Boden / Long-term soil	0.882 mg/kg (-)
PNEC Langzeit Wasser / Long-term water	0.137 mg/l (Frischwasser (freshwater))
	0.0137 mg/l (Meerwasser (seawater))

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

- **Exposure controls**

- **Personal protective equipment**

- **General protective and hygienic measures**

Do not eat, drink or smoke while working.

Keep away from foodstuffs, beverages and food.

Take off immediately all contaminated clothing

Avoid contact with the eyes and skin.

- **Breathing equipment:** Not required.

- **Protection of hands:**



Only use chemical-protective gloves with CE-labelling of category III.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Preventive skin protection by use of skin-protecting agents is recommended.

- **Material of gloves**

Nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.11$  mm

Breakthrough time:  $> 480$  min

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.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **As protection from splashes gloves made of the following materials are suitable:** PVC gloves

- **Not suitable are gloves made of the following materials:**

Leather gloves

Strong gloves

(Contd. on page 5)

CA-GB

# Safety Data Sheet

acc. to GHS

Printing date 01/17/2015

Revision: 01/17/2015

Trade name: **MBT Sepsityper IVD Kit – Lysis Buffer**

· **Eye protection:**



Tightly sealed safety glasses.

· **Body protection:** Protective work clothing.

(Contd. of page 4)

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Fluid

Colour: White

· **Odour:** Characteristic

· **Change in condition**

Melting point/Melting range: Not determined

Boiling point/Boiling range: 100 °C (212 °F)

· **Flash point:** Not applicable

· **Self-inflammability:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive.

· **Vapour pressure at 20 °C (68 °F):** 23 hPa (17 mm Hg)

· **Density** Not determined

· **Solubility in / Miscibility with**

Water: mixable

· **Other information** No further relevant information available.

## 10 Stability and reactivity

· **Reactivity**

· **Chemical stability**

· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

· **Possibility of hazardous reactions** none, if used as directed

· **Conditions to avoid** No further relevant information available.

· **Incompatible materials:** strong oxidizing agents

· **Hazardous decomposition products:** none, if stored and handled correctly.

## 11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

**anionic surfactant**

(Ref.: 722 43/00/2010.0030, Germany)

Oral LD50 1200 mg/kg (rat)

Dermal LD50 580 mg/kg (rab)

Inhalative LD50 > 3900 mg/l (rat) (LC50 (1h))

· **Primary irritant effect:**

· **on the skin:** irritative effect possible

(Contd. on page 6)

CA-GB

# Safety Data Sheet

## acc. to GHS

Printing date 01/17/2015

Revision: 01/17/2015

Trade name: **MBT Sepsityper IVD Kit – Lysis Buffer**

(Contd. of page 5)

- **on the eye:** irritative effect possible
- **Sensitisation:** 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.

## 12 Ecological information

### · Toxicity

#### · Aquatic toxicity:

##### anionic surfactant

(Ref.: 722 43/00/2010.0030, Germany)

Algentoxizität / Algae toxicity	53 mg/l ( <i>Desmodesmus subspicatus</i> ) (IC50 (72h))
Bakterientoxizität / Bacteria toxicity	0.46 mg/l ( <i>Photobacterium phosphoreum</i> ) (EC50 (30min))
	130 mg/l ( <i>Belebschlammbakterien</i> ) (EC0 (3h))
Daphnientoxizität / Daphnia toxicity	6 mg/l ( <i>Daphnia magna</i> ) (EC50 (48h))
Fischtoxizität / Fish toxicity	4.5 mg/l (bluegill ( <i>Lepomis macrochirus</i> )) (LC50 (96h))

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
  - Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water.
  - Do not allow product to reach ground water, water bodies or sewage system.
  - Danger to drinking water if even small quantities leak into soil.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

## 13 Disposal considerations

### · Waste treatment methods

#### · Recommendation

For disposal, local regulations issued by the authorities must be observed.

Smaller quantities can be disposed with household waste.

#### · European waste catalogue

18 00 00	WASTES FROM HUMAN OR ANIMAL HEALTH CARE AND/OR RELATED RESEARCH (except kitchen and restaurant wastes not arising from immediate health care)
18 02 00	wastes from research, diagnosis, treatment or prevention of disease involving animals
18 02 05*	chemicals consisting of or containing dangerous substances

#### · Uncleaned packagings:

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

CA-GB

(Contd. on page 7)

# Safety Data Sheet

## acc. to GHS

Printing date 01/17/2015

Revision: 01/17/2015

**Trade name: MBT Sepsityper IVD Kit – Lysis Buffer**

(Contd. of page 6)

### 14 Transport information

· <b>UN-Number</b>	
· <b>TDG, ADN, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b>	
· <b>TDG, ADN, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b>	
· <b>TDG, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>Packing group</b>	
· <b>TDG, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	Not applicable.
· <b>Special precautions for user</b>	Not applicable.
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	Not dangerous according to the above specifications.
· <b>UN "Model Regulation":</b>	-

### 15 Regulatory information

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

· **Canadian Ingredient Disclosure list (limit 0.1%)**

	anionic surfactant (Ref.: 722 43/00/2010.0030, Germany)
7732-18-5	water, distilled, conductivity or of similar purity

· **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS05

· **Signal word** Danger

· **Hazard-determining components of labelling:**

anionic surfactant  
(Ref.: 722 43/00/2010.0030, Germany)

· **Hazard statements**

Causes skin irritation.  
Causes serious eye damage.

· **Precautionary statements**

Wear protective gloves/protective clothing/eye protection/face protection.  
Wash thoroughly after handling.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
Immediately call a POISON CENTER/doctor.  
Specific treatment (see on this label).  
If skin irritation occurs: Get medical advice/attention.

(Contd. on page 8)

CA-GB



# Safety Data Sheet

## acc. to GHS

Printing date 01/17/2015

Revision: 01/17/2015

Trade name: **MBT Sepsityper IVD Kit – Lysis Buffer**

(Contd. of page 7)

- **National regulations**
- **Water hazard class:** Water hazard class 2 (Self-assessment): hazardous for water.
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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.

Changes made since last issue dated 20.12.2014 at the following points: \*

- **Department issuing data specification sheet:**  
IGG-AD Ingenieurbüro für Gefahrstoff- und Gefahrgutberatung  
Bismarckstraße 10  
D-68623 Lampertheim  
Fax: 0049-(0)6206-58422      <http://www.igg-ad.de>      [info@igg-ad.de](mailto:info@igg-ad.de)
- **Contact:**  
Dr. U. Prinz ([u.prinz@igg-ad.de](mailto:u.prinz@igg-ad.de))  
Dipl.-Chem. H. Hinse ([heidrun.hinse@igg-ad.de](mailto:heidrun.hinse@igg-ad.de))
- **Abbreviations and acronyms:**  
ICAO: International Civil Aviation Organisation  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
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)  
WHMIS: Workplace Hazardous Materials Information System (Canada)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
Flam. Sol. 1: Flammable solids, Hazard Category 1  
Acute Tox. 4: Acute toxicity, Hazard Category 4  
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2  
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1  
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3  
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3
- **\* Data compared to the previous version altered.**

CA-GB