

# SAFETY DATA SHEET

According to Regulation (EC) no 1907/2006, Annex II

Valid From: 05/06/2024

## 1. SECTION 1: Details of the supplier of the Safety Data Sheet

### 1.1. Product Identifiers

Product Name: MassFERENCE P1  
Product Number: MP-CON-41033

### 1.2. Company

Company: Refeyn Limited  
Unit 9 Trade City Oxford  
Sandy Lane West  
Oxford  
OX4 6FF  
United Kingdom  
Telephone: +44 (0)1865 800175  
Emergency contact number: +44 (0)7759 703002

Email: [info@refeyn](mailto:info@refeyn)  
Website: [www.refeyn.com](http://www.refeyn.com)

## 2. SECTION 2: Hazards Identification

### 2.1. Classification of the substance or mixture

*Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.  
Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.*

### 2.2. Label Elements – Labelling according to Regulation (EC) 1272/2008 (CLP)

*The product does not need to be labelled in accordance with EC directives or respective national laws.  
Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008.*

### 2.3. Other Hazards

*This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.*

## 3. SECTION 3: Composition / Information on ingredients

### 3.1. Substances

MFP1 is expressed recombinantly in an *E. coli* cell expression system. Sample is of biological origin and is presented as a frozen aqueous solution in a plastic vial. Each vial contains no more than 42 ug. Additional components present: 20 mM Tris hydrochloride pH 7.5, 200 mM NaCl.

- 3.1.1** Tris hydrochloride: *Synonyms:* TRIS HCl, TRIS hydrochloride, Tris(hydroxymethyl)aminomethane hydrochloride, Tromethane

*Formula :*  $\text{NH}_2\text{C}(\text{CH}_2\text{OH})_3 \cdot \text{HCl}$

*Molecular weight :* 157.60 g/mol

*CAS-No. :* 1185-53-1

- 3.1.2** NaCl: *Synonyms :* Halite, NaCl, Sodium chloride

*Formula :* NaCl

*Molecular weight :* 58.44 g/mol

*CAS-No. :* 7647-14-5

*No components need to be disclosed according to the applicable regulations.*

## 4. SECTION 4: First Aid Measures

GENERAL ADVICE	Seek medical attention if feeling unwell
IF INHALED	Remove person to fresh air, seek medical advice if breathing becomes difficult.
IN CASE OF SKIN CONTACT	Wash off with soap and plenty of water.
IN CASE OF EYE CONTACT	Rinse at eyewash station.
IF SWALLOWED	Rinse mouth with water.

## 5. SECTION 5: Fire Fighting Measures

- 5.1. Suitable Extinguishing Media**

*Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.*

- 5.2. Special Protective Equipment for Fire-Fighters**

*Wear self-contained breathing apparatus for firefighting if necessary.*

## 6. SECTION 6: Accidental Release Measures

- 6.1. Personal Precautions**

*Wear gloves. Avoid dust formation. Avoid breathing vapours, mist, or gas.*

- 6.2. Environmental Precautions**

*Prevent further leakage or spillage if safe to do so.*

- 6.3. Methods and materials for containment and cleaning up**

*Pick up using absorbent tissue and arrange for safe disposal. Keep in suitable, closed containers for disposal.*

## 7. SECTION 7: Handling and Storage

### 7.1. Precautions for safe handling

*Avoid contact with skin and eyes.*

### 7.2. Conditions for safe storage

*Keep container tightly closed.*

## 8. SECTION 8: Exposure Controls / Personal Protection

*Contains no substances with occupational exposure limit values.*

### 8.1. Personal Protective Equipment

RESPIRATORY PROTECTION	<i>None necessary.</i>
HAND PROTECTION	<i>Handle with gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.</i>
EYE PROTECTION	<i>Safety glasses if risk of splashing.</i>
SKIN AND BODY PROTECTION	<i>Laboratory coat</i>

## 9. SECTION 9: Physical and Chemical Properties

pH:	7.5
Melting point:	no data available
Boiling Point:	no data available
Flash Point:	no data available
Ignition Temperature:	no data available
Lower explosion limit:	no data available
Upper explosion limit:	no data available
Water solubility:	<i>soluble</i>

## 10. SECTION 10: Stability and Reactivity

### 10.1. Chemical stability

*Stable under recommended storage conditions.*

### 10.2. Conditions to avoid

*Avoid multiple freeze thaw cycles*

### 10.3. Materials to avoid

*Strong oxidizing agents, strong reducing agents*

**10.4. Hazardous decomposition products**

*None known*

## **11. SECTION 11: Toxicological Information**

**11.1. Acute toxicity**

*No data available*

**11.2. Skin corrosion/irritation**

*No data available*

**11.3. Serious eye damage/eye irritation**

*No data available*

**11.4. Respiratory or skin sensitization**

*No data available*

**11.5. Germ cell mutagenicity**

*No data available*

**11.6. Carcinogenicity**

*IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.*

**11.7. Reproductive toxicity**

*No data available*

**11.8. Aspiration hazard**

*No data available*

**11.9. Potential health effects**

Inhalation	<i>None</i>
Ingestion	<i>None</i>
Skin	<i>None</i>
Eyes	<i>May cause eye irritation</i>

**11.10. Signs and symptoms of exposure**

*To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.*

**11.11. Additional information**

*To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.*

## **12. SECTION 12: Ecological Information**

**12.1. Toxicity**

*No data available*

**12.2. Persistence and degradability**

*Degrades easily*

**12.3. Bioaccumulative potential**

*Low*

**12.4. Mobility in soil**

*No data available*

**12.5. PBT and vPvB assessment**

*No data available*

**12.6. Other adverse effects**

*No data available*

**13. SECTION 13: Disposal Considerations**

**13.1. Product**

*Observe all federal, state, and local environmental regulations.*

**13.2. Contaminated Packaging**

*Dispose of as unused product.*

**14. SECTION 14: Transport Information**

*Not dangerous goods, no transport limitations.*

**15. SECTION 15: Regulatory Information**

*This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.*

**16. Section 16: Other Information**

*The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Refeyn Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product*

**LAST UPDATED:** 05/06/2024

**PREPARED BY:** Refeyn Ltd.

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