

## 1: Identification of substance / mixture

### 1. Product Identifier

**Mixture**

Product Name **PBS Tablets**  
 Product Code P3203  
 CAS Number  
 Other Names  
 IUPAC  
 MFCN Number  
 EC/EINECS  
 REACH Number

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

Research and Development

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

Melford Laboratories Ltd  
 Bildeston Road, Chelsworth  
 Ipswich  
 Suffolk  
 IP7 7LE  
 UK



Telephone: 01449 741178  
 Fax number: 01449 741217  
 Email: support@melford.co.uk

### 4. Emergency telephone number

+44 (0)1449 741178

## 2. Hazards Identification

### 1. Classification of the substance or mixture

None Hazardous

### 2. Label elements

None Hazardous

### Hazard Statements

None Hazardous

### Precautionary Phrases

None Hazardous

### 3. Other Hazards

None Hazardous

## 3. Composition / Information on Ingredients

### 1. Substances

Not Relevant

### 2. Mixtures

Concentration	Product Name	CAS Number	EC/EINECS
2.7mM	Potassium Chloride		
137 mM	Sodium Chloride		
10 mM	Phosphate Buffer		

## 4. First Aid Measures

## 1. Description of first aid measures

<i>Skin Contact</i>	Wash with soap and water.
<i>Eye Contact</i>	Bathe the eye with running water for 15 minutes.
<i>Ingestion</i>	Unlikely to occur in normal use.
<i>Inhalation</i>	Unlikely to occur in normal use.

## 2. Most important symptoms and effects

There may be mild irritation at the site of contact.

## 3. Indication of any immediate medical attention

No additional measures required

## 5. Firefighting measures

### 1. Extinguishing Media

*Suitable*            Water spray.  
                          Carbon dioxide.  
                          Alcohol or polymer foam.  
                          Dry chemical powder.

*Unsuitable*        None

### 2. Special Hazards arising from the substance or mixture

NA

### 3. Advice for Fire Fighters

No special measures required.

## 6. Accidental Release Measures

### 1. Personal Precautions

Refer to section 8 of SDS for personal protection details.

### 2. Environmental Precautions

Do not discharge into drains or rivers.

### 3. Methods & Materials

Transfer to a closable, labelled salvage container for disposal by an appropriate method.

## 7. Handling and Storage

### 1. Personal Precautions

*Safe Handling*            No special requirements.

*Protection against  
explosions and fires*        No special requirements

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

<i>Managing Storage Risks</i>	Store in a dry place.
<i>Storage Controls</i>	Keep container tightly closed.
<i>Maintaining Integrity</i>	No special requirements
<i>Other advice</i>	no further information available

## 3. Specific End Uses

The end use(s) have not been fully determined. The substance is supplied for Research and Development purposes by professionals only.

## 8. Exposure Controls/Personal Protection

### 1. Control Parameters

No Data Available

### 2. Exposure Controls

<i>General protective and hygiene measures</i>	The standard precautionary measures should be adhered to when handling
<i>Engineering measures</i>	Ensure there is sufficient ventilation of the area.
<i>Eye / Face Protection</i>	Safety Glasses.
<i>Hand protection</i>	Protective gloves.
<i>Respiratory protection</i>	Respiratory protection not required.
<i>Skin protection</i>	Protective clothing.
<i>Other personal protection advice</i>	no data

## 9. Physical and Chemical Properties

### 1. Physical and Chemical Properties

Appearance	White tablets
Odour	None
Odour threshold	Not Applicable
PH	Not Applicable
Melting point / Freezing point	Not Applicable
Initial boiling point and boiling range	Not Applicable
Flash point	Not Applicable
Evaporation rate	Not Applicable
Flammability(solid,gas)	Not Applicable
Upper/lower flammability or explosive limits	Not Applicable
Vapour pressure	Not Applicable
Vapour density	Not Applicable
Relative density	Not Applicable
Solubility(ies):	Soluble in water

# Safety Data Sheet

Revision: 1.02  
Modified: 27/10/2011

Partition coefficient: n-octanol/water	Not Applicable
Auto-ignition temperature	Not Applicable
Decomposition temperature	Not Applicable
Viscosity	Not Applicable
Explosive properties	Not Applicable
Oxidising properties	Not Applicable

## 2. Other Information

No additional information available

## 10. Stability and Reactivity

### 1. Reactivity

no unusual reactivity

### 2. Stability

Stable at room temperature.

### 3. Possibility of Hazardous Reactions

no hazardous reactions known

### 4. Conditions to Avoid

Moist Air.

### 5. Incompatible Materials

Moist Air.

### 6. Hazardous Decomposition Products

In combustion emits toxic fumes of carbon dioxide.  
In combustion emits toxic fumes of carbon monoxide.

## 11. Toxicology information

### 1. Information

<i>Acute Toxicity</i>	no data
<i>Skin corrosion/irritation</i>	no data
<i>Serious eye Damage/irritation</i>	no data
<i>Respiratory or skin sensitisation</i>	No sensitizing effect known
<i>Germ Cell mutagenicity</i>	no data
<i>Carcinogenicity</i>	not known
<i>Reproductive toxicity</i>	not known
<i>STOT-single exposure</i>	not known
<i>STOT-repeated exposure</i>	not known

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*Aspiration hazard* not known

## 2.Additional

To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.

## 12.Ecological Information

### 1.Toxicity

not known

### 2.Persistence and degradability

not known

### 3.Bio-Accumulative Potential

not known

### 4.Mobility and Soil

not known

### 5.Results of PBT & vPvB assessment

not known

### 6.Other adverse effects

not known

## 13.Exposure Controls/Personal Protection

### 1.Waste Treatment Methods

*Disposal Operations* Consult state, local or national regulations for proper disposal.

*Disposal of Packaging* Disposal must be made according to official regulations.

## 14. Transport Information

### Air (ICAO)

Not classified as hazardous for transport

### Road (ADR)

Not classified as hazardous for transport

### Sea (IMDG)

Not classified as hazardous for transport

**15. Safety, health and environmental regulations****1. Safety, health and environmental regulations:**

product is not subject to any additional regulations or provisions

**2. Safety Assessment**

No Chemical Safety Assessment

**16. Other Information****1. Other Information:**

ADR: Accord Europeen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by road)

RID: Reglement 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

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the ICAO

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service

**2. Associated risk phrases according to european directive 67/548/EEC****3. Disclaimer**

The product listed is for research and development purposes only and not for human or animal use. As such, in most cases, the toxicological, ecological and physicochemical properties have not been fully determined and the product should be treated with respect and always handled under suitable conditions by appropriately qualified personnel. The responsible party shall use this datasheet only in conjunction with other sources of information gathered by them, and should make an independent judgement of suitability, to ensure proper use and protect the health and safety of employees. This information is furnished without warranty and any use of the product not in conformance with this material safety data sheet, or in combination with any other product or process, is the responsibility of the user.