

**SAFETY DATA SHEET**  
**McFARLAND STANDARDS**  
According to Regulation (EU) No 453/2010

<b>1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING</b>
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**1.1 Product identifier**

<b>Product name</b>	McFarland Standards	
<b>Product No.</b>	SD2300	McFarland Standard 0.5
	SD2301	McFarland Standard 1.0
	SD2302	McFarland Standard 2.0
	SD2303	McFarland Standard 3.0
	SD2304	McFarland Standard 4.0
	SD2350	McFarland Standard Set 0.5 – 4.0

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

<b>Identified uses</b>	Laboratory reagent.
<b>Uses advised against</b>	No specific uses advised against are identified.

**1.3 Details of the supplier of the safety data sheet**

<b>Supplier</b>	Pro-Lab Diagnostics 3 Bassendale Road Bromborough Wirral, UK CH62 3QL Tel: +44 (0) 151 353 1613 Fax: +44 (0) 151 353 1614 www.pro-lab.com
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**1.4 Emergency telephone number**

+44 (0)151 353 1613 - Monday to Friday 9:00 to 17:00  
+44 (0)7714 429 646 - outside the above hours

<b>2. HAZARDS IDENTIFICATION</b>
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**2.1 Classification of the mixture**

**Classification (1999/45/EEC)**      NC      Not classified.

**2.2 Label elements**

None required.

**2.3 Hazards not otherwise classified (HNOC)**

None identified.

# McFARLAND STANDARD

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixtures

Component	CAS No.	Weight %
POLYSTYRENE LATEX	9003-53-6	Latex Beads in Solution

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### **Eye contact**

Rinse immediately with plenty of water, also under the eyelids for at least 15 minutes. Obtain medical attention.

#### **Skin contact**

Wash off immediately with plenty of water for at least 15 minutes. Get medical attention immediately if symptoms occur.

#### **Ingestion**

Do not induce vomiting. Get medical attention.

#### **Inhalation**

Move to fresh air. If breathing is difficult, give oxygen. Get medical attention immediately if symptoms occur.

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

No information available.

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

Treat symptomatically.

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

#### **Unsuitable extinguishing media**

No information available.

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

Keep product and empty container away from heat and sources of ignition.

### 5.3 Hazardous combustion products

None known.

### 5.4 Advice for firefighters

#### **Special fire fighting procedures**

Avoid breathing fire vapours. Move container from fire area if it can be done without risk. Water spray should be used to cool containers and to reduce vapours. Keep run-off water out of sewers and water sources. Be aware of danger for fire to re-start.

#### **Protective equipment for fire-fighters**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

# McFARLAND STANDARD

## 6. ACCIDENTAL RELEASE MEASURES

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

Ensure adequate ventilation. Use personal protective equipment.

### 6.2 Environmental precautions

Should not be released into the environment.

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

Use inert absorbent material. Keep in suitable, closed containers for disposal.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation.

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

Keep containers tightly closed in a dry, cool and well-ventilated place.

### 7.3 Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

This product does not contain any hazardous materials with occupational exposure limits.

### 8.2 Exposure controls

#### **Respiratory equipment**

If ventilation is insufficient, suitable respiratory protection must be provided. Seek advice from supervisor on the company's respiratory protection standards.

#### **Hand protection**

Use protective gloves and clothing to prevent skin exposure.

#### **Eye protection**

Wear approved safety goggles.

#### **Other protection**

Provide eyewash station.

#### **Hygiene measures**

DO NOT SMOKE IN WORK AREA! Promptly remove any clothing that becomes contaminated.

Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke. Wash hands after handling.

# McFARLAND STANDARD

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Liquid
Colour	Opaque
Odour	Not determined
Solubility	Soluble in water
Initial boiling point and boiling range (°C)	100°C
Melting point (°C)	Not determined
Relative density	Not determined
Bulk density	Not determined
Vapour density (air=1)	Not determined
Vapour pressure	Not determined
Evaporation rate	Not determined
Evaporation Factor	Not determined
pH-Value, Conc. Solution	Not determined
pH-Value, Diluted Solution	Not determined
Viscosity	Not determined
Solubility Value (G/100G H <sub>2</sub> O@20°C)	Not determined
Decomposition temperature (°C)	Not determined
Odour Threshold, Lower	Not determined
Odour Threshold, Upper	Not determined
Flash point (°C)	316°C
Auto Ignition Temperature (°C)	Not determined
Flammability Limit - Lower (%)	Not determined
Flammability Limit - Upper (%)	Not determined
Partition co-efficient (n-Octanol/Water)	Not determined
Explosive properties	Not determined
Oxidizing properties	Not determined

### 9.2 Other information

Not determined.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No specific reactivity hazards associated with this product.

### 10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

### 10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

### 10.4 Conditions to avoid

Avoid heat, flames and other sources of ignition. Extremes of temperature and direct sunlight.

### 10.5 Incompatible materials

Strong Oxidizing agents.

# McFARLAND STANDARD

## 10.6 Hazardous decomposition products

None under normal temperature conditions and recommended use.

## **11. TOXICOLOGICAL INFORMATION**

### 11.1 Information on toxicological effects

#### Acute toxicity

Based on available data the classification criteria are not met.

#### Skin corrosion/irritation

Based on available data the classification criteria are not met.

#### Serious eye damage/irritation

Based on available data the classification criteria are not met.

#### Respiratory or skin sensitisation

Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

Based on available data the classification criteria are not met.

#### Carcinogenicity

Based on available data the classification criteria are not met.

#### Reproductive toxicity

Based on available data the classification criteria are not met.

#### Specific target organ toxicity

Based on available data the classification criteria are not met.

## **12. ECOLOGICAL INFORMATION**

### 12.1 Ectotoxicity

No information available.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

# McFARLAND STANDARD

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Recover and reclaim or recycle, if practical.

## 14. TRANSPORT INFORMATION

**General** The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### 14.1. UN number

Not applicable.

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

Transport Labels

No transport warning sign required.

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant  
No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

## 15. REGULATORY INFORMATION

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

#### **Statutory Instruments**

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

#### **Approved Code of Practice**

Classification and Labelling of Substances and Preparations Dangerous for Supply.

#### **Guidance Notes**

Workplace Exposure Limits EH40.

# McFARLAND STANDARD

## EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

## 15.2 Chemical Safety Assessment

No chemical safety assessment has been carried out.

## 16. OTHER INFORMATION

### Revision comments

n/a

**Revision Date** 05-2015

**Revision** 2

**Supersedes date** n/a

**Date of issue:** 2015/05/05

**Version:** 2

### Disclaimer

The information in this safety data sheet was obtained from current and reliable sources. However, the data is provided without warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond Pro-Lab Diagnostic's control, it is the users responsibility to perform thorough testing of this product when used in combination with any other product. It is suggested that users familiarise themselves with this safety data sheet before handling the product.