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		Date : 13 / 9 / 2011
		Supersedes : 0 / 0 / 0
<b>D-Xylose</b>		<b>X0808</b>

**Synonyms**

(+)-Xylose

**SECTION 1 Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

**Identification of the product** : Raw material  
**Product code** : X0808  
**Trade name** : D-Xylose  
**CAS number** : CAS No : 000058-86-6

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

**Use** : For professional use only.  
 Duchefa Biochemie B.V. products are only intended for in vitro laboratory research purposes.

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

**Company identification** : Duchefa Biochemie B.V.  
 A. Hofmanweg 71  
 2031 BH Haarlem The Netherlands  
 Tel: +31(0)23-5319093  
 Fax: +31(0)23-5318027  
 E-mail:info@duchefa.nl

**1.4. Emergency telephone number**

**Emergency phone nr** : Tel: (+31)-(0)23-5319093 (local time : 9.00 to 17.00)

**SECTION 2 Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification EC 67/548 or EC 1999/45**

**Hazard Class and Category Code Regulation EC 1272/2008 (CLP)**

: Not regulated.

**2.2. Label elements**

**Labelling EC 67/548 or EC 1999/45**

• **Symbol(s)** : None.

**Labelling Regulation EC 1272/2008 (CLP)**

• **Hazard pictograms code** : ---

• **Precautionary statements**

**2.3. Other hazards**

None under normal conditions.

**SECTION 3 Composition/information on ingredients**

**Substance / Preparation** : Substance.  
 D-Xylose  
 CAS No :000058-86-6  
 EC No :200-400-7  
 Annex No :---  
 Ref REACH :---

**Components** : This product is not hazardous.



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## D-Xylose

**X0808**

### SECTION 3 Composition/information on ingredients (continued)

Substance name	Contents	CAS No	EC No	Annex No	Ref REACH	Classification
D-Xylose	> 98.5 %	58-86-6	200-400-7	----	----	-----
Structural formula C <sub>5</sub> H <sub>10</sub> O <sub>5</sub> Molecular weight (g/mol) 150.1						

### SECTION 4 First aid measures

#### 4.1. Description of first aid measures

- **General information** : Seek medical attention if ill effect develops.
- **Inhalation** : Remove victim to fresh air.
- **Skin contact** : Wash skin with mild soap and water.
- **Eye contact** : Rinse immediately with plenty of water.
- **Ingestion** : Rinse mouth.

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

**Symptoms and effects, both acute and delayed** : No data available.

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

**Medical attention and special treatment needed** : No data available.

### SECTION 5 Fire-fighting measures

#### 5.1. Extinguishing media

- **Suitable extinguishing media** : Foam.  
Water spray.  
Carbon dioxide (CO<sub>2</sub>).  
Dry powder.

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

**Specific hazards** : When heated to decomposition, emits toxic fumes.  
CO<sub>x</sub>

#### 5.3. Advice for fire-fighters

- Protection against fire** : Wear proper protective equipment.
- Special procedures** : Avoid (reject) fire-fighting water to enter environment.

### SECTION 6 Accidental release measures

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

Wear suitable protective clothing.  
Avoid raising powdered materials into airborne dust.

#### 6.2. Environmental precautions

**Environmental precautions** : Prevent entry to sewers and public waters.

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

**Clean up methods** : Sweep up dry powder and dispose properly.

#### 6.4. Reference to other sections

**Reference to other sections** : No Reference

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**D-Xylose****X0808****SECTION 7 Handling and storage****7.1. Precautions for safe handling****General** : Store in dry, well-ventilated area.**7.2. Conditions for safe storage, including any incompatibilities****Storage** : Store at room temperature.  
Keep container tightly closed and dry.**7.3. Specific end use(s)****Specific end use(s)** : For professional use only.  
Duchefa Biochemie B.V. products are only intended for in vitro laboratory research purposes.**SECTION 8 Exposure controls/personal protection****8.1. Control parameters**

No data available.

**8.2. Exposure controls**

- **Eye protection** : Chemical goggles or safety glasses.
- **Skin protection** : Wear suitable protective clothing.
- **Hand protection** : Gloves.
- **Respiratory protection** : P1 Where excessive dust may result, wear approved mask.

**SECTION 9 Physical and chemical properties****• Appearance****Appearance** : Crystals.  
Powder.**Colour** : White.**• Odour****Odour** : Not established.**• Odour threshold****Odour threshold** : Not established.**• pH****pH value** : 4.5 - 6**• Melting point / Freezing point****Melting point [°C]** : 154 - 158**• Initial boiling point - boiling range****Boiling point [°C]** : Not applicable.**• Flash point****Flash point [°C]** : No data available.**• Evaporation rate****Evaporation rate (ether=1)** : No data available.**• Flammability****Flammability range [vol% in air]** : No data available.**• Explosion limits (lower - upper)****Duchefa Biochemie B.V.**

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**D-Xylose****X0808****SECTION 9 Physical and chemical properties (continued)****Explosion limits** : No data available.**• Vapour pressure****Vapour pressure [hPa]** : No data available.**• Relative density****Relative density** : No data available.**• Solubility****Solubility in water** : Circa 150 g/l**• Partition coefficient : n-octanol / water****• Auto-ignition temperature****Auto-ignition temperature [°C]** : No data available.**• Viscosity****Viscosity at 20°C [mPa.s]** : No data available.**• Explosive Properties****Explosive Properties** : Not established.**• Oxidising properties****Oxidising properties** : Not established.**9.2. Other information****Other data** : No data available.**SECTION 10 Stability and reactivity****10.1. Reactivity****Reactivity** : Stable under normal conditions of storage, handling and use.**10.2. Chemical stability****Stability** : Stable under normal conditions.**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid****Conditions to avoid** : Moisture.  
Heat.**10.5. Incompatible materials**

Strong oxidizers.

**10.6. Hazardous decomposition products****Hazardous decomposition products** : May liberate toxic gases.  
COx**SECTION 11 Toxicological information****11.1. Information on toxicological effects****Mouse oral LD50 [mg/kg]** : 23000**Duchefa Biochemie B.V.**

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**D-Xylose****X0808****SECTION 12 Ecological information****12.1. Toxicity**

No data available.

**12.2. Persistence - degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Other adverse effects**

**Environmental precautions** : Prevent entry to sewers and public waters.  
Avoid release to the environment.

**SECTION 13 Disposal considerations****13.1. Waste treatment methods**

**General** : Dispose in a safe manner in accordance with local/national regulations.

**SECTION 14 Transport information****14.1. UN Number**

Not applicable.

**14.2. Proper shipping name**

Not applicable.

**14.3. Transport Hazard Classification**

Not applicable.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Not applicable.

**14.6. Special precautions for user**

Not applicable.

**14.7. Bulk transport - annex II Marpol 73/78 - IBC**

Not applicable.

**SECTION 15 Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Ensure all national/local regulations are observed.

**15.2. Chemical Safety Assessment**

Not established.

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## SECTION 16 Other information

**Further information** : The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

**Revision** : Complete SDS revision

The contents and format of this SDS are in accordance with REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

End of document

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