1 Identification

- **Product Identifier:**
- **Product Name:** D-Xylose
- **Catalog Number:** 218110

**Application of the substance / the mixture** Laboratory Chemicals

- **Details of the supplier of the safety data sheet**
  - **Manufacturer/Supplier:** BD Diagnostic Systems
  - 7 Loveton Circle
  - Sparks, MD 21152
  - Telephone: (410) 771-0100 or (800) 638-8663
  - Email Address: Technical_Services@bd.com
  - **Information Department:** Technical Service

**Emergency telephone number:**
In case of a chemical emergency, spill, fire, exposure, or accident, contact BD Diagnostic Systems (410) 771-0100 or (800)-638-8663, or ChemTrec at (800) 424-9300.

2 Hazard(s) identification

- **Classification of the substance or mixture**
The substance is not classified according to the Globally Harmonized System (GHS).

- **Label elements**
  - **GHS label elements** Void
  - **Signal word** Void
  - **Hazard statements** Void

- **NFPA ratings (scale 0-4)**

  - Health = 0
  - Flammability = 0
  - Reactivity = 0

- **HMIS ratings (scale 0-4)**

  ![Health](https://example.com/health.png)
  - Health = 0
  ![Flammability](https://example.com/flammability.png)
  - Flammability = 0
  ![Reactivity](https://example.com/reactivity.png)
  - Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
  - **PBT:** Not applicable.
  - **vPvB:** Not applicable.
Product Name: D-Xylose

3 Composition/information on ingredients

- Chemical characterization: Substances
- CAS No. Description: Not applicable

4 First-aid measures

- Description of first aid measures
  - General information No special measures required.
  - After inhalation Seek medical treatment in case of complaints.
  - After skin contact Immediately wash with water and soap and rinse thoroughly.
  - After eye contact Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
  - After swallowing If symptoms persist consult doctor.
  - Information for doctor Show this product label or this SDS.
  - Most important symptoms and effects, both acute and delayed
    No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed
    No further relevant information available.

5 Fire-fighting measures

- Extinguishing media
  - Suitable extinguishing agents
    CO2, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - Special hazards arising from the substance or mixture
    No further relevant information available.
  - Advice for firefighters
  - Protective equipment: No special measures required.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Not required.
- Environmental precautions: Wipe up with damp sponge or mop.
- Methods and material for containment and cleaning up: No special measures required.
- Reference to other sections No dangerous substances are released.
7 Handling and storage

· Handling
· Precautions for safe handling: 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 receptacles: No special requirements.
· Information about storage in one common storage facility: Store away from oxidizing agents.
· Further information about storage conditions:
  Store in cool, dry conditions in well sealed containers.
· 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 Section 7.

· Control parameters
· Components with limit values that require monitoring at the workplace: Not required.
· Additional information: The lists that were valid during the creation were used as basis.

· Exposure controls
· Personal Protective Equipment
· General protective and hygienic measures
  The usual precautionary measures for handling chemicals should be followed.
· Breathing equipment: In case of brief exposure, use a chemical fume hood or a NIOSH/MSHA-approved respirator.
· Protection of hands:
  Chemical resistant gloves (i.e. nitrile, or equivalent).

· Eye protection: Safety glasses
· Body protection: Protective work clothing (lab coat).
9 Physical and chemical properties

- Information on basic physical and chemical properties
  - General Information
    - Appearance:
      - Form: Solid.
      - Color: According to product specification
      - Odor: Characteristic
  - Change in condition: Undetermined
  - Melting point/Melting range: Not determined
  - Boiling point/Boiling range: Not determined
  - Flash point: Not applicable
  - Flammability (solid, gaseous): Product is not flammable.
  - Danger of explosion: Product does not present an explosion hazard.
  - Density: Not determined
  - Solubility in / Miscibility with Water: Soluble
  - Other information: No further relevant information available.

10 Stability and reactivity

- Reactivity: No further relevant information available.
- Chemical stability
  - Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
  - Possibility of hazardous reactions: No dangerous reactions known
  - Conditions to avoid: No further relevant information available.
  - Incompatible materials: No further relevant information available.
  - Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects
  - Acute toxicity:
    - Primary irritant effect:
      - on the skin: No irritating effect.
      - on the eye: No irritating effect.
    - Sensitization: No sensitizing effects known.
Product Name: D-Xylose

- **Additional toxicological information:**
  The product is not subject to OSHA classification according to internally approved calculation methods for preparations.
  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.
  The substance is not subject to classification.

- **Carcinogenic categories**
  - IARC (International Agency for Research on Cancer)
    Substance is not listed.
  - NTP (National Toxicology Program)
    Substance is not listed.
  - OSHA-Ca (Occupational Safety & Health Administration)
    Substance is not listed.

12 Ecological information

- **Toxicity**
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability: No further relevant information available.

- **Behavior in environmental systems:**
  - Bioaccumulative potential: No further relevant information available.
  - Mobility in soil: No further relevant information available.

- **Ecotoxicological effects:**
  - Other information:
    The ecological effects have not been thoroughly investigated, but currently none have been identified.

- **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**
    Smaller quantities can be disposed of with solid waste.
    Dispose of material in accordance with federal (40 CFR 261.3), state and local requirements.
    This product is not considered a RCRA hazardous waste.

- **Uncleaned packagings:**
  - **Recommendation:** Disposal must be made according to state and federal regulations.
**Product Name:** D-Xylose

- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

### 14 Transport information

<table>
<thead>
<tr>
<th><strong>UN-Number</strong></th>
<th>Void</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT, ADN, IMDG, IATA</td>
<td>Void</td>
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<tr>
<td><strong>UN proper shipping name</strong></td>
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<td>DOT, ADN, IMDG, IATA</td>
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<tr>
<td><strong>Transport hazard class(es)</strong></td>
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<td>DOT, ADN, IMDG, IATA</td>
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<tr>
<td><strong>Class</strong></td>
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<tr>
<td><strong>Packing group</strong></td>
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<tr>
<td>DOT, IMDG, IATA</td>
<td>Void</td>
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<tr>
<td><strong>Environmental hazards:</strong></td>
<td>No</td>
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<tr>
<td><strong>Marine pollutant:</strong></td>
<td>No</td>
</tr>
<tr>
<td><strong>Special precautions for user</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</strong></td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Transport/Additional information:</strong></td>
<td>If &quot;void&quot; appears in the Hazard Class section for the type of transportation, this indicates the product is not regulated for transportation.</td>
</tr>
<tr>
<td><strong>UN &quot;Model Regulation&quot;:</strong></td>
<td>Void</td>
</tr>
</tbody>
</table>

### 15 Regulatory information

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

  - **SARA Section 355 (extremely hazardous substances)**
    Substance is not listed.
  
  - **SARA Section 313 (specific toxic chemical listings)**
    Substance is not listed.
  
  - **TSCA (Toxic Substances Control Act)**
    Substance is not listed.
· California Proposition 65 - Chemicals known to cause cancer
  Substance is not listed.

· California Proposition 65 - Chemicals known to cause reproductive toxicity for females:
  Substance is not listed.

· California Proposition 65 - Chemicals known to cause reproductive toxicity for males:
  Substance is not listed.

· California Proposition 65 - Chemicals known to cause developmental toxicity:
  Substance is not listed.

· Carcinogenic categories
  Substance is not listed.

· TLV (Threshold Limit Value established by ACGIH)
  Substance is not listed.

· GHS label elements Void
· Hazard pictograms Void
· Signal word Void
· Hazard statements Void
· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information
To the best of our knowledge, the information contained herein is accurate. However, neither Becton, Dickinson and Company or any of its subsidiaries assumes any liabilities whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

· Department issuing SDS:
  Environmental, Health & Safety
  Created by Michael J. Spinazzola
· Contact: Technical Service Representative
· Date of preparation / last revision 06/04/2016 / -
· Abbreviations and acronyms:
  IMDG: International Maritime Code for Dangerous Goods
  DOT: US Department of Transportation
  IATA: International Air Transport Association
  ACGIH: American Conference of Governmental Industrial Hygienists
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  NFPA: National Fire Protection Association (USA)
  HMIS: Hazardous Materials Identification System (USA)
  PBT: Persistent, Bioaccumulative and Toxic
  vPvB: very Persistent and very Bioaccumulative
  OSHA: Occupational Safety & Health
  TLV: Threshold Limit Value
  PEL: Permissible Exposure Limit
  REL: Recommended Exposure Limit