

# Material Safety Data Sheet

acc. to ISO/DIS 11014

Date Prepared: 07/31/2007

Reviewed On: 07/31/2007

## 1 Identification of substance:

- **Product name:** Urea Broth
- **Catalog number:** 227210
- **Manufacturer/Supplier:**  
BD Diagnostic Systems  
7 Loveton Circle  
Sparks, MD 21152  
Telephone: (410) 771-0100 or (800) 638-8663
- **Information department:** Technical services
- **Emergency information:**  
In case of a chemical emergency, spill, fire, exposure, or accident contact BD Diagnostic Systems at (410)771-0100 or (800) 638-8663, or ChemTrec at (800) 424-9300.

## 2 Composition/Data on components:

- **Chemical characterization**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

### · Dangerous components:

57-13-6	urea	51.7%
7558-79-4	sodium phosphate, dibasic	25.0%

## 3 Hazards identification

### · Hazard description:



Xi Irritant

- **Information pertaining to particular dangers for man and environment**  
R 36/37/38 Irritating to eyes, respiratory system and skin.
- **Classification system**  
The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.
- **NFPA ratings (scale 0-4)**



Health = 1  
Fire = 0  
Reactivity = 0

## 4 First aid measures

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact** Rinse opened eye for 15 minutes under running water. Then consult a doctor.
- **After swallowing** If symptoms persist consult doctor.

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**· Information for doctor** Show this product label or this MSDS.**5 Fire fighting measures**

- **Suitable extinguishing agents**  
CO<sub>2</sub>, ABC multipurpose dry chemical or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

**6 Accidental release measures**

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** Wipe up with damp sponge or mop.
- **Measures for cleaning/collecting:** No special measures required.
- **Additional information:**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.  
· [rc428.52 / .88 IS73.vp45.76 m538.92 545e 9H1n5esS7idental release](#)

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· **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:

· **General Information**

<b>Form:</b>	Solid. Powder
<b>Color:</b>	Light red
<b>Odor:</b>	Characteristic

· **Change in condition**

**Melting point/Melting range:** Not determined

**Boiling point/Boiling range:** Not determined

· **Flash point:** Not applicable

· **Auto igniting:** Product is not self igniting.

· **Danger of explosion:** Product does not present an explosion hazard.

· **Density:** Not determined

· **Solubility in / Miscibility with**

**Water:** Soluble

· **pH-value:** 6.8 +/- 0.1

· **Solvent content:**

· **Solids content:** 100.0 %

## 10 Stability and reactivity

· **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

· **Materials to be avoided:** Incompatible materials: strong acids and oxidizers.

· **Dangerous products of decomposition:**

Carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>)

Nitrogen oxides (NO<sub>x</sub>)

Ammonia (NH<sub>4</sub>)

Phosphorus oxides (PO<sub>x</sub>)

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## 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
Irritant  
The product shows the following dangers according to internally approved calculation methods for preparations:

## 12 Ecological information:

- **Ecotoxicological effects:**
- **Other information:**  
The ecological effects have not been thoroughly investigated, but currently none have been identified.
- **General notes:** Generally not hazardous for water.

## 13 Disposal considerations

- **Product:**
- **Recommendation**  
Smaller quantities can be disposed of with solid waste.  
This product is not considered a RCRA hazardous waste.  
Dispose of material in accordance with federal (40 CFR 261.3), state and local requirements.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to state and federal regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

## 14 Transport information

- |  |
|--|
| <ul style="list-style-type: none"> <li>· <b>DOT regulations:</b></li> <li>· <b>Hazard class:</b> -</li> </ul>  |
| <ul style="list-style-type: none"> <li>· <b>Land transport ADR/RID (cross-border)</b></li> <li>· <b>ADR/RID class:</b> -</li> </ul>                        |
| <ul style="list-style-type: none"> <li>· <b>Maritime transport IMDG:</b></li> <li>· <b>IMDG Class:</b> -</li> <li>· <b>Marine pollutant:</b> No</li> </ul> |
| <ul style="list-style-type: none"> <li>· <b>Air transport ICAO-TI and IATA-DGR:</b></li> <li>· <b>ICAO/IATA Class:</b> -</li> </ul>                        |

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## 15 Regulations

<b>· SARA Section 355 (extremely hazardous substances)</b>
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None of the ingredients is listed.
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<b>· SARA Section 313 (specific toxic chemical listings)</b>
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None of the ingredients is listed.
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<b>· TSCA (Toxic Substances Control Act)</b>
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All ingredients are listed.
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<b>· California Proposition 65 - Chemicals known to cause cancer</b>
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None of the ingredients is listed.
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<b>· California Proposition 65 - Chemicals known to cause reproductive toxicity for females:</b>
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None of the ingredients is listed.
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<b>· California Proposition 65 - Chemicals known to cause reproductive toxicity for males:</b>
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None of the ingredients is listed.
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<b>· California Proposition 65 - Chemicals known to cause developmental toxicity:</b>
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None of the ingredients is listed.
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<b>· Carcinogenicity categories</b>
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<b>· IARC (International Agency for Research on Cancer)</b>
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None of the ingredients is listed.
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<b>· NTP (National Toxicology Program)</b>
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None of the ingredients is listed.
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<b>· TLV (Threshold Limit Value established by ACGIH)</b>
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None of the ingredients is listed.
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<b>· Product related hazard information:</b>
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The product has been classified and marked in accordance with regulations on hazardous materials.
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<b>· Hazard symbols:</b>
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Xi Irritant
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<b>· Hazard-determining components of labeling:</b>
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urea sodium phosphate, dibasic
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<b>· Risk phrases:</b>
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36/37/38 Irritating to eyes, respiratory system and skin.
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<b>· Safety phrases:</b>
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7 Keep container tightly closed.
22 Do not breathe dust.
24/25 Avoid contact with skin and eyes.
36 Wear suitable protective clothing.

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**16 Other information:** *m m mm*