SAFETY DATA SHEET
according to EC Directive 2001/58/EC

Issuing date 02-Jul-2007  Revision Date 02-Jul-2007  MSDS PN: 4320734

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Code 402837, 4306733, 4364255, 4364256, 4365324, 4365325, 4367011, 4367012, 4367013, 4367014
Product Name PERFORMANCE OPTIMIZED POLYMER 6
Trade Name(s) POP-6(TM) PERFORMANCE OPTIMIZED POLYMER; POP-6
Recommended Use For research use only. Not for use in diagnostic procedures.

Contact Manufacturer
APPLIED BIOSYSTEMS
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Fax: +44 1925 28 27 02

Emergency Telephone Number CHEMTREC: +1-703-527-3887 (INTERNATIONAL)
1-800-424-9300 (NORTH AMERICA)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EINECS-No.</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Classification</th>
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</thead>
<tbody>
<tr>
<td>Trade Secret</td>
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<tr>
<td>Urea</td>
<td>EEC No. 200-315-5</td>
<td>57-13-6</td>
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</table>

For the full text of the R phrases mentioned in this Section, see Section 16

3. HAZARDS IDENTIFICATION

Classification

Most Important Hazards No information available.

4. FIRST AID MEASURES

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

Skin contact Wash off immediately with soap and plenty of water for at least 15 minutes. If skin irritation persists, call a physician.

Ingestion Rinse mouth. Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Inhalation Move to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.

Notes to physician Treat symptomatically.
5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons
No information available.

Specific hazards
Thermal decomposition can lead to release of irritating gases and vapours.

Special protective equipment for firefighters
As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions
Prevent further leakage or spillage if safe to do so.

Personal precautions
Ensure adequate ventilation.

Methods for cleaning up
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Methods for Containment
Prevent further leakage or spillage if safe to do so.

Other information
Use water spray to reduce vapors or divert vapor cloud drift. Refer to protective measures listed in Sections 7 and 8.

7. HANDLING AND STORAGE

Handling
Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits
The product does not contain any hazardous materials with occupational exposure limits established.

Occupational Exposure Controls

Engineering measures
Showers, eyewash stations, and ventilation systems.

Personal protective equipment
- Respiratory protection: In case of insufficient ventilation wear suitable respiratory equipment.
- Eye protection: Safety glasses with side-shields.
- Skin and body protection: Long sleeved clothing.
- Hand protection: Protective gloves.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls
No information available.

9. PHYSICAL AND CHEMICAL PROPERTIES

according to EC Directive 2001/58/EC
9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance**  
Colourless.

**Odour**  
Ammoniacal.

**Physical state**  
Liquid.

**pH**  
No information available.

**Flash point**  
Not applicable

**Autoignition temperature**  
No information available.

**Boiling point/range**  
No information available

**Melting point/range**  
No information available.

**Flammability Limits in Air**  
No information available.

**Specific Gravity**  
No information available.

**Water solubility**  
Soluble in water.

**Solubility**  
No information available.

**Evaporation rate**  
No information available.

**Vapour pressure**  
No information available.

**Vapour density**  
No information available.

**VOC content**  
No information available.

**Viscosity**  
No information available.

10. STABILITY AND REACTIVITY

**Stability**  
Stable under normal conditions.

**Conditions to avoid**  
Heat, flames and sparks.

**Materials to avoid**  
No materials to be especially mentioned.

**Hazardous decomposition products**  

**Hazardous polymerisation**  
Hazardous polymerisation does not occur.

11. TOXICOLOGICAL INFORMATION

**Acute Toxicity**

**Product Information**

**Chronic Toxicity**

**Irritation**  
Moderately irritating to eyes, skin and respiratory system.

**Sensitization**  
No information available.

**Reproductive Toxicity**  
The product contains no substances known to be hazardous to health in concentrations which need to be taken into account.

**Developmental Toxicity**  
No information available.

**Target Organ Effects**  
Eyes. Respiratory system. Skin.

12. ECOLOGICAL INFORMATION

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.
<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to algae</th>
<th>Toxicity to fish</th>
<th>Microtox Data</th>
<th>Daphnia magna (Water flea)</th>
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<tbody>
<tr>
<td>Urea</td>
<td>LC50 &gt; 3810 mg/L Leuciscus idus 96 h</td>
<td>EC50 = 23914 mg/L 5 min</td>
<td>EC50 &gt; 10000 mg/L 24 h</td>
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**Persistence and degradability**
No information available.

**Bioaccumulative potential**
No information available.

**Mobility**
No information available.

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<tr>
<td>Urea</td>
<td>-1.59</td>
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### 13. DISPOSAL CONSIDERATIONS

- **Waste from residues / unused products**
  Dispose of in accordance with local regulations.

- **Contaminated packaging**
  Empty containers should be taken for local recycling, recovery or waste disposal.

- **EWC waste disposal**
  No information available.

### 14. TRANSPORT INFORMATION

- **IMDG/IMO** not regulated
- **RID** not regulated
- **ADR** not regulated
- **ICAO** not regulated
- **ICAO/IATA** not regulated

### 15. REGULATORY INFORMATION

- **Labelling**
  - **R-phrase(s)**
    No information available.
  - **S-phrase(s)**
    No information available.

- **International Inventories**

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<tr>
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<th>EINECS</th>
<th>ELINCS</th>
<th>TSCA</th>
<th>DSL</th>
<th>NDSL</th>
<th>PICCS</th>
<th>ENCS</th>
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### 16. OTHER INFORMATION

- **Text of R phrases mentioned in Section 2**
  No information available.
16. OTHER INFORMATION

Issuing date 02-Jul-2007
Revision Date 02-Jul-2007
Revision Note No information available

Disclaimer
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End of Safety Data Sheet