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REV. F

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

Product Code 402837, 4306733, 4364255, 4364256, 4365324, 4365325, 4367011, 4367011, 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
 7 KINGSLAND GRANGE, WOOLSTON
 WARRINGTON, CHESHIRE WA1 4SR
 Telephone: +44 1925 82 56 50 (UK)
 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

Haz/Non-haz

Chemical Name	EINECS-No.	CAS-No	Weight %	Classification
Trade Secret	Not Listed		1-10	-
Urea	EEC No. 200-315-5	57-13-6	30-60	-

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.
<u>Personal protective equipment</u>	
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

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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	Carbon monoxide. Carbon dioxide (CO ₂). Hydrogen chloride. Ammonia. Nitrous vapors.
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.

Chemical Name	Toxicity to algae	Toxicity to fish	Microtox Data	Daphnia magna (Water flea)
Urea		LC50> 3810 mg/L Leuciscus idus 96 h	EC50 = 23914 mg/L 5 min	EC50 > 10000 mg/L 24 h

Persistence and degradability No information available.

Bioaccumulative potential No information available.

Mobility No information available.

Chemical Name	log Pow
Urea	-1.59

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 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

Chemical Name	EINECS	ELINCS	TSCA	DSL	NDSL	PICCS	ENCS	China	AICS	KECL
Trade Secret	-	-	-	-	-	-	-	-	-	-
Urea	200-315-5	-	Present	X	-	X	X	X	X	KE-35144

16. OTHER INFORMATION

Text of R phrases mentioned in Section 2
No information available.

16. OTHER INFORMATION

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Disclaimer

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End of Safety Data Sheet