

# SAFETY DATA SHEET

## 1. Identification of the Product and of the Company

### Identification of Product

**Product Name:** PwrPOPTM-7, PwrPOPTM-6, and PwrPOPTM-4 Sequencing Polymers  
**Product Code:** 037003, 037007, 037028, 037140, 037280, 037840  
 036005, 036010, 036003, 036007, 036028  
 034005, 034010, 034003, 034007, 034028

### Company Identification

AdvancedSeq LLC  
 6654 Owens Drive  
 Pleasanton, CA 94588

**Phone:** +1 818-639-4362

**For research use only. Not intended for human or animal diagnostic or therapeutic uses.**

## 2. Hazards Identification

### GHS - Classification

#### Signal Word

**WARNING**



### Health Hazard

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2

### Physical Hazards

Not hazardous

### Hazard Statements

**H315** - Causes skin irritation  
**H319** - Causes serious eye irritation

### Precautionary Statements

**P305 + P351 + P338** - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing  
**P337 + P313** - If eye irritation persists: Get medical advice/attention  
**P332 + P313** - If skin irritation occurs: Get medical advice/attention P264 - Wash hands thoroughly after handling  
**P280** - Wear protective gloves/protective clothing/eye protection/face protection  
**P362** - Take off contaminated clothing and wash before reuse

### Principle Routes of Exposure/ Potential Health Effects

**Skin:** Irritating to skin.  
**Inhalation:** Irritating to respiratory system.  
**Ingestion:** May be harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Specific Effects

**Carcinogenic Effects:** None  
**Mutagenic Effects:** None  
**Reproductive Toxicity:** None  
**Sensitization:** None  
**Target Organ Effects:** None under normal use conditions

### HMIS

Health	1
Flammability	0
Reactivity	0

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### 3. Composition/information on ingredients

Chemical Name	CAS-No	EINECS-No	Weight
Urea	57-13-6	200-315-5	30

We recommend handling all chemicals with caution.

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### 4. First Aid Measures

**Skin Contact:** Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Immediate medical attention is required.  
**Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.  
**Ingestion:** Call a physician or Poison Control Centre immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.  
**Inhalation:** Move to fresh air. If not breathing, give artificial respiration. Call a physician or Poison Control Center immediately.  
**Notes to Physician:** Treat symptomatically.

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### 5. Fire-Fighting Measures

**Suitable Extinguishing Media:** Water spray. Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.  
**Special Protective Equipment for Firefighters:** Wear self-contained breathing apparatus and protective suit.

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### 6. Accidental Release Measures

**Personal Precautions** Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective equipment.  
**Methods for Cleaning up:** Soak up with inert absorbent material.

### Environmental Precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.  
See Section 12 for additional information.

## 7. Handling and Storage

**Handling:** Always wear recommended Personal Protective Equipment. No special handling advice required.

**Storage:** Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.

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## 8. Exposure Controls/Personal Protection

### Exposure Limits

Chemical Name	OSHA PEL	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Urea	none	none	none	none

**Engineering measures:** Ensure adequate ventilation, especially in confined areas.

### Personal Protective Equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

**Respiratory Protection:** In case of insufficient ventilation wear suitable respiratory equipment.  
**Hand Protection:** Impervious gloves.  
**Eye Protection:** Safety glasses with side-shields.  
**Skin and Body Protection:** Lightweight protective clothing.  
**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

### Environmental Exposure Controls

Prevent product from entering drains. Do not allow material to contaminate ground water system.

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## 9. Physical and Chemical Properties

### General Information

**Form:** Liquid

**Appearance:** No information available

**Odor:** No information available

**Boiling Point/Range:** No information available

**Melting Point/Range:** No information available

**Flash Point:** No information available

**Auto Ignition Temperature:** No information available

**Oxidizing Properties:** No information available.

**Water Solubility:** soluble

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## 10. Stability and Reactivity

**Stability:** Stable under normal conditions.

**Materials to Avoid:** No information available.

**Hazardous Decomposition Products:** No information available.

**Polymerization:** None under normal processing.

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## 11. Toxicological Information

### Acute toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
Urea	= 8471 mg/kg (Rat)	no data available	no data available

## Principle Routes of Exposure/ Potential Health Effects

**Eyes:** Irritating to eyes.  
**Skin:** Irritating to skin.  
**Inhalation:** Irritating to respiratory system.  
**Ingestion:** May be harmful if swallowed Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Carcinogenic Effects:** None  
**Mutagenic Effects:** None  
**Reproductive Toxicity:** None  
**Sensitization:** None

**Target Organ Effects:** None under normal use conditions

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## **12. Ecological Information**

**Ecotoxicity Effects:** No information available.  
**Mobility:** No information available.  
**Biodegradation:** No information available.  
**Bioaccumulation:** No information available.

Chemical Name	Freshwater Algae Dat	Water Flea Data	Freshwater Fish	Microtox Data	log Pow
Urea 57-13-6		Daphnia magna EC50=3910 mg/L (48 h) Daphnia magna Straus EC50>10000 mg/L			logPow-1.59

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## **13. Disposal Considerations**

Dispose of in accordance with local regulations.

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## **14. Transport Information**

### IATA

**Proper Shipping Name:** Not classified as dangerous in the meaning of transport regulations  
**Hazard Class:** None  
**Subsidiary Class:** None  
**Packing Group:** None  
**UN-No:** None

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## **15. Regulatory Information**

Compone	TSC
Urea 57-13-6 ( 30-60 )	Listed

## U.S. Federal Regulations

### **SARA 313**

This product is not regulated by SARA.

## Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain HAPs.

## U.S. State Regulations

Chemical Name	Massachusetts - RTK	New Jersey - RTK	Pennsylvania - RTK	Illinois - RTK	Rhode Island - RTK
Urea	-	-	-	-	-

## California Proposition 65

This product does not contain chemicals listed under Proposition 65

## WHMIS Hazard Class

D2B Toxic Materials



This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

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## 16. Other information

For research use only. Not intended for human or animal diagnostic or therapeutic uses. The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS MSDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

**End of Safety Data Sheet**