Poly60 Treat

Safety Data Sheet

Section 1: Chemical Product and Company Identification

Product Name: Poly60 Treat
Catalog Codes:
CAS #: 31512-74-0
Uses: Algicide

Manufacturer

Company Name: United Chemical Corporation
Address: 3741 E Telegraph Rd
Fillmore CA 93021
Telephone: (800)524-5550
Website: www.unitedchemical.com
Emergency Phone Number: (805)407-9883

Section 2: Hazards Identification

Physical Hazards: Not classified as a physical hazard
Health Hazards: Acute Toxicity, oral – Category 4
Environmental Hazards: Aquatic environment – Category 1
Label Elements:

Signal Word: **Warning**

Hazard Statement: Harmful if swallowed
Toxic to aquatic life

Precautionary Statement (GHS-US):

Prevention: Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid breathing mists, vapors, or spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves, protective clothing, eye protection, and face protection.

Response:	If swallowed: call a poison center or doctor if you feel unwell. Rinse mouth. Do not induce vomiting. If on skin: wash with plenty of water and soap. If skin irritation occurs: Get medical advice or attention. If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. Take off contaminated clothing and wash it before reuse. If inhaled: remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor.
Storage:	Store in a well-ventilated place. Keep container tightly closed. Maintain storage temperatures between 10°C and 49°C (50°F to 120°F). Keep from freezing and away from direct sunlight.
Disposal:	Dispose of contents and empty containers at an approved chemical waste disposal facility. Disposal must strictly align with local, state, provincial, and federal environmental regulations. Do not discharge products or rinsate into municipal sewers, surface water systems, or ground waterways.

Hazard(s) not otherwise classified (HNOC): Slippage hazard, wastewater treatment interference

Section 3: Composition and Information on Ingredients

Chemical Name	CAS Number	% by weight
Poly(oxyethylene(dimethylimonio)ethylene (dimethylimonio)ethylene dichloride)	31512-74-0	60%

Section 4: First Aid Measures

Eye Contact:	Immediately flush with clean, cool water for 15 minutes. Seek medical attention if irritation persists.
Skin Contact:	Wash immediately with plenty of soap and water for 15 minutes. Remove contaminated clothing.
Inhalation:	
Ingestions:	Do not induce vomiting. Rinse mouth thoroughly and drink several glasses of water. Seek immediate medical attention.

Section 5: Fire and Explosion

Flammability of the Product:	Non-flammable
Flammable Limits:	Not Applicable
Products of Combustion:	Carbon and nitrogen oxides

Fire Hazards in Presence of Various Substances: Not Applicable

Explosion Hazards in Presence of Various Substances: Negligible

Fire Fighting Media and Instructions:	Evacuate the area upwind of the fire to avoid breathing toxic thermal decomposition gases. Cool closed, fire-exposed containers with a water spray or fog. Firefighters must wear a positive-pressure Self-Contained Breathing Apparatus (SCBA) and full protective bunker gear.
Suitable extinguishing media:	Water spray, water fog, alcohol-resistant foam, dry chemical, or carbon dioxide
Unsuitable extinguishing media:	None known

Section 6: Accidental Release Measures

Small Spill:	Stop the leak immediately if it can be done safely, and isolate the area. Wear standard PPE Absorb the liquid spill using sawdust, paper, clay, sand, or universal sorbent pads. Scoop or shovel the contaminated absorbent into an approved, sealable container for proper disposal**.** Flush the spill surface thoroughly with water.
Large Spill:	Evacuate and isolate the immediate sector, keeping unauthorized or unprotected personnel upwind. Upgrade response PPE to full chemical-resistant suits and a positive-pressure Self-Contained Breathing Apparatus. Dike far ahead of the spill using dirt, sandbags, or non-reactive booms to prevent spread. Pump pooled liquid into marked recovery drums using chemical-resistant transfer pumps. Soak up remaining product residues. Decontaminate the spill zone with a light water wash.
Environmental Precautions:	Highly toxic to aquatic life Prevent runoff from breaching stormwater drains, city sewers, or open drainage ditches.

Section 7: Handling and Storage

Precautions:	Avoid contact with skin, eyes, or clothing. Do not breathe concentrated liquid vapors or aerosol mists. Wash thoroughly with soap and water after handling and before eating, drinking, smoking, or using tobacco products. Remove and wash contaminated clothing thoroughly before reuse.
Storage:	Store strictly in a cool, dry, and well-ventilated space. Keep containers tightly closed when not actively dispensing product. Keep out of reach of children and unauthorized personnel. Store in a secure, locked facility.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:	Good general dilution ventilation
Personal Protection:	Wear goggles, gloves, mask and clothes covering
Personal Protection in Case of a Large Spill:	Immediately restrict unauthorized entry to the contaminated area. Response personnel must upgrade protective equipment to a full chemical-resistant splash suit, rubber hazard boots, and heavy-duty nitrile/PVC gauntlets. If spill conditions involve pooling liquids or restricted ventilation where mist/vapor levels are unknown, wear a positive-pressure Self-Contained Breathing Apparatus (SCBA) to isolate the respiratory tract
Exposure Limits:	Not Available

Section 9: Physical and Chemical Properties

Physical state and appearance:	Liquid
Odor:	Mild
Taste:	Not Available
Molecular Weight:	Not Available
Color:	Amber/brown
pH (1% soln/water):	5.0 – 8.0
Boiling Point:	> 100°C (212°F)
Melting Point	0°C
Critical Temperature	Not Applicable
Specific Gravity	1.12 – 1.16
Vapor Pressure:	Not Applicable
Vapor Density:	< 1

Volatility:	40.0% by weight
Odor Threshold:	Not Available
Water/Oil Dist. Coeff.:	Not Available
Ionicity (in Water):	Strongly Cationic
Dispersion Properties:	Completely dispersible in water
Solubility:	Soluble in water

Section 10: Stability and Reactivity

Stability:	Stable
Instability Temperature:	Not Available
Conditions of Instability:	Exposure to excessive heat, open flames, sparks, or freezing temperatures
Incompatibility with Various Substances:	Strong oxidizing agents and polymers
Corrosivity:	Non-corrosive

Section 11: Toxicological Information

Routes of Entry:	Skin, eye, inhalation and ingestion
Toxicity to Animals:	Acute oral, dermal and inhalation toxicity
Chronic Effects on Humans:	Not Available
Other Toxic Effects on Humans:	Eyes: Slightly hazardous; can cause temporary irritation, redness, and tearing. Skin: Slightly hazardous; prolonged contact may cause minor irritation or skin inflammation. Inhalation: High mist concentrations cause mild respiratory tract irritation. Ingestion: Harmful if swallowed; causes gastrointestinal discomfort, nausea, vomiting, or diarrhea

Special Remarks on Toxicity to Animals: Low toxicity to mammals

Special Remarks on Chronic Effects on Humans: Not Available

Special Remarks on Other Toxic Effects on Humans: Not Available

Section 12: Ecological Information

Ecotoxicity:	Highly toxic to aquatic life
BOD5 and COD:	Not Available
Products of Biodegradation:	Carbon and nitrogen oxides

Toxicity of the Products of Biodegradation: The raw polymer concentrate is highly toxic to aquatic life

Special Remarks on the Products of Biodegradation: Not Available

Section 13: Disposal Considerations

Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product must not be poured down sinks, toilets, sewers, or street drains. It can overwhelm local biological wastewater systems and harm aquatic ecosystems. Dispose of excess or unwanted product at an approved industrial combustion plant or hazardous waste disposal facility in compliance with local regulations Nonrefillable container**.** Do not reuse or refill empty containers for any purpose. Empty containers retain product residue and can be dangerous. Do not expose empty containers to extreme heat, open flames, or sparks. Triple-rinse the container promptly after emptying. Apply the rinsate directly into the application equipment or mix tank for use. Do not pour rinsate down municipal drains. Once triple-rinsed, offer the empty container for recycling or reconditioning if available. Alternatively, puncture and dispose of it in a sanitary landfill according to local policies.