



Safety Data Sheet:

E5 Catalyst

Prepared in compliance with Australian WHS Regulations under GHS 7

Section 1. Identification

- **Product Identifier:** E5 Catalyst
 - **Other Means of Identification:** E5-CAT Concrete Admixture
 - **Recommended Use:** Additive for concrete and cement applications.
 - **Details of the Importer:**
 - **Importer:**
McClay Industries Pty Ltd,
15 Kitney Close, Tanawha QLD 4556.
 - **Manufacturer:**
E5 Incorporated,
1718 Pleasant Street,
Noblesville, IN 46060, USA.
 - **Emergency Phone Number:**
 - **Importer (Australia):** 1300 443 549.
 - **Manufacturer (USA):** +1-888-881-1726.
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Section 2. Hazard(s) Identification

- **Classification of the Hazardous Chemical:**
 - Acute Toxicity—Oral—Category 4.
 - Skin Corrosion—Category 1B.
- **Label Elements:**
 - **Signal Word:** DANGER.
 - **Pictograms:** Corrosion (GHS05), Exclamation Mark (GHS07).
 - **Hazard Statements:**
 - H302: Harmful if swallowed.
 - H314: Causes severe skin burns and eye damage.
 - **Precautionary Statements:**
 - **Prevention:** P260: Do not breathe mists/vapours. P264: Wash skin thoroughly after handling. P270: Do not eat, drink or smoke when using this product. P280: Wear protective gloves, protective clothing, eye protection and face protection.

- **Response:** P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P304+P340+P310: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE or doctor. P305+P351+P338+P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor. P363: Wash contaminated clothing before reuse.
 - **Storage:** P405: Store locked up.
 - **Disposal:** P501: Dispose of contents/container in accordance with local and national regulations.
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Section 3. Composition/Information on Ingredients

- **Glycolic Acid:** (CAS No. 79-14-1) 8–12% by weight.
 - **Other Ingredients:** Remaining ingredients are non-hazardous or below disclosure thresholds.
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Section 4. First Aid Measures

- **Eye Contact:** Immediately flush eyes with large amounts of water for 15 minutes, lifting lids. Seek immediate medical attention from an ophthalmologist.
 - **Skin Contact:** Flush skin with large amounts of water while removing contaminated clothing for at least 15 minutes.
 - **Inhalation:** Move to fresh air. If breathing is difficult, administer oxygen. Seek immediate medical attention.
 - **Ingestion:** Rinse mouth with water. Do NOT induce vomiting. Give 2 glasses of water or milk if conscious. Seek immediate medical attention.
 - **Symptoms:** Causes severe burns to eyes and skin. Harmful if inhaled or swallowed; may cause permanent digestive tract damage.
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Section 5. Firefighting Measures

- **Extinguishing Media:** Use water spray, alcohol-resistant foam, dry chemical, or CO₂.
 - **Specific Hazards:** May produce toxic fumes, including oxides of carbon, if burning.
 - **Special Protective Equipment:** Firefighters should wear self-contained breathing apparatus (SCBA).
 - **Hazchem Code:** 2X.
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Section 6. Accidental Release Measures

- **Personal Precautions:** Wear appropriate PPE (Section 8). Ventilate area. Spill creates

a slip hazard.

- **Environmental Precautions:** Avoid release into drains and soil.
 - **Methods for Cleanup:** Neutralise spill with lime or soda ash. Absorb with inert material (not sawdust). Collect in approved non-metal containers for disposal.
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Section 7. Handling and Storage

- **Handling:** Do not get in eyes, skin, or clothing. Do not breathe mists. Wash thoroughly after handling.
 - **Storage:** Store locked up in a cool, well-ventilated area away from alkalis and metals. DO NOT store in metal containers. Keep containers upright and tightly closed.
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Section 8. Exposure Controls and Personal Protection

- **Control Parameters:** No specific Australian Workplace Exposure Standard for Glycolic Acid. Mist TWA: 5 mg/m³ (Recommended).
 - **Engineering Controls:** Use local exhaust ventilation to maintain airborne concentrations below limits.
 - **PPE:**
 - **Eye:** Chemical splash goggles and face shield.
 - **Skin:** Protective clothing, boots, and chloroprene or chemical-impermeable gloves.
 - **Respiratory:** Approved respirator if mists/vapours are generated.
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Section 9. Physical and Chemical Properties

- **Appearance:** Colorless liquid.
 - **pH:** 1.0–3.0.
 - **Boiling Point:** 100°C (212°F).
 - **Relative Density:** 1.0–1.05 g/cm³.
 - **Solubility:** Complete in water.
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Section 10. Stability and Reactivity

- **Reactivity:** Can generate hydrogen gas in contact with metals.
 - **Chemical Stability:** Stable under normal conditions.
 - **Incompatible Materials:** Strong oxidising agents, alkalis, and metals.
 - **Hazardous Decomposition:** Oxides of carbon.
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Section 11. Toxicological Information

- **Acute Oral Toxicity:** LD50 (Rat) > 1950 mg/kg.
 - **Skin/Eye:** Causes severe skin burns and serious eye damage (blindness risk).
 - **Chronic Effects:** Repeated exposure may result in liver or kidney damage.
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Section 12. Ecological Information

- **Ecotoxicity:** LC50 (Bluegill): >93 mg/L (48h). EC50 (Daphnia): >141 mg/L (48h).
 - **Persistence:** Readily biodegradable.
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Section 13. Disposal Considerations

- **Disposal:** Dispose of as hazardous waste via a licensed contractor in accordance with Australian regulations.
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Section 14. Transport Information

- **UN Number:** UN3265.
 - **Proper Shipping Name:** CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S. (Glycolic Acid).
 - **Transport Hazard Class:** 8.
 - **Packing Group:** II.
 - **Hazchem Code:** 2X.
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Section 15. Regulatory Information

- **AICS:** All components are listed on the Australian Inventory of Industrial Chemicals.
 - **WHS:** Compliant with Work Health and Safety Regulations under GHS 7.
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Section 16. Other Information

- **Date of Preparation:** March 2026.
- **Abbreviations:** GHS (Globally Harmonized System), AICS (Australian Inventory of Industrial Chemicals).

Disclaimer: This information is provided in good faith and is believed to be accurate based on current data. It does not constitute a warranty or guarantee for specific applications.