SECTION 1  PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Ethylene Glycol Bis (Succinimidylsuccinate)
PRODUCT NUMBER: CL110
CAS NUMBER: 70539-42-3
SYNONYMS: Ethylene glycol disuccinate di(N-succinimidyl) ester; EGS; Di(N-succinimidyl) ethylene glycol disuccinate; Ethylene glycol bis(succinimidyl succinate)

MANUFACTURER:
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IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

SECTION 2  HAZARDS IDENTIFICATION

CLASSIFICATION OF SUBSTANCE OR MIXTURE

Not a dangerous substance or mixture according to GHS

HMIS CLASSIFICATION:
Health: 0  Fire: 0  Reactivity Hazard: 0

NFPA RATING:
Health: 0  Flammability: 0  Reactivity Hazard: 0

EYE CONTACT: No know effects.
SKIN CONTACT: No known effects.
INHALATION: May cause irritation of the respiratory tract.
INGESTION: No known effects.

SECTION 3  COMPOSITION / INFORMATION ON INGREDIENTS

Formula: C_{18}H_{20}O_{12}N_{2}
Molecular Weight: 660.47

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS#</th>
<th>%</th>
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<tbody>
<tr>
<td>Ethylene Glycol Bis (Succinimidylsuccinate)</td>
<td>70539-42-3</td>
<td>100</td>
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SECTION 4  FIRST AID MEASURES

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.
SECTION 4  FIRST AID MEASURES (Cont.)

SKIN EXPOSURE: Wash affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.
INHALATION: Remove to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.
INGESTION: Wash out mouth with water. Seek medical attention.

SECTION 5  FIREFIGHTING MEASURES

FLASH POINT: Product is not flammable.
AUTO IGNITION TEMPERATURE: Not available
EXPLOSION LIMITS: Not available
EXTINGUISHING MEDIUM: Use fire fighting measures that suit the surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: Carbon oxides and nitrogen oxides

SECTION 6  ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Wear all appropriate equipment when using this material. Ensure adequate ventilation. Avoid the formation of dust. Avoid breathing vapors, mist, gas, or dust.
ENVIRONMENTAL PRECAUTIONS: Prevent spillage from entering drains or allowing to be released into the environment.
METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: Sweep up and place in suitable container for proper disposal.

SECTION 7  HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING: Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Use with adequate ventilation. Avoid formation of dusts and aerosols.
CONDITIONS FOR SAFE STORAGE: Store in cool, dry, and well-ventilated area.

SECTION 8  EXPOSURE CONTROLS AND PERSONAL PROTECTION

EXPOSURE CONTROLS: Contains no substances with occupational exposure limit values.
EYE PROTECTION: Wear chemical safety glasses or goggles and face shield.
SKIN PROTECTION: Wear nitrile or rubber gloves, and a complete suit protecting against chemicals.
VENTILATION: Provide local exhaust, preferably mechanical.
RESPIRATOR: Use an approved respirator.
ADDITIONAL PROTECTION: Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

SECTION 9  PHYSICAL AND CHEMICAL PROPERTIES

COLOR AND FORM: Solid white powder
ODOR: None
MOLECULAR WEIGHT: 660.47
BOILING POINT: No data available
MELTING POINT: >130°C
SPECIFIC GRAVITY: No data available
SOLUBILITY: Partially soluble in cold and hot water.

SECTION 10  STABILITY AND REACTIVITY

STABILITY: Stable
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: No data available
SECTION 10    STABILITY AND REACTIVITY (Cont.)

INCOMPATIBILITY: No data available.
DECOMPOSITION PRODUCTS: Carbon oxides and nitrogen oxides

SECTION 11    TOXICOLOGICAL DATA

ACUTE TOXICITY: Not available
CARCINOGENIC EFFECTS: No components of this product present at levels greater than or equal to 0.1% is identified a carcinogen.
MUTAGENIC EFFECTS: Not available
TETRATOGIC EFFECTS: Not available
CHRONIC TOXICITY: Not available
RTECS: No data

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

SECTION 12    ECOLOGICAL DATA

No information available

SECTION 13    DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

SECTION 14    TRANSPORTATION DATA

Not a dangerous good.

SECTION 15    REGULATORY INFORMATION

SARA 302/304: Not Listed
SARA 311/312: Not Listed
SARA (TITLE 313): Not Listed
CALIFORNIA PROP. 65: Not Listed

MASSACHUSETTS RIGHT TO KNOW COMPONENTS: No components are subject to the Massachusetts Right to Know Act.
NEW JERSEY RIGHT TO KNOW COMPONENTS: No components are subject to the New Jersey Right to Know Act.
Pennsylvania Right to Know Components: No components are subject to the Pennsylvania Right to Know Act.

SECTION 16    OTHER INFORMATION

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, Prochem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.
DATE PREPARED: 05/15
SDS DEPT.