SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:  1-Pyrenebutanoic acid, succinimidyl ester
PRODUCT #:  7041
SYNONYMS:  1-Pyrenebutyric acid N-hydroxysuccinimide ester
INDICATION/USE:  Reagent for diagnostic cell study,  For research use only, not for human or animal diagnostic or therapeutic uses.

MANUFACTURER:  Setareh Biotech, LLC
COMPANY ADDRESS:  710 Commercial St, Ste#2
                    Eugene, OR 97402
PHONE:  (541) 515-6560
FAX:  (541) 844-1835

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION SIGNAL WORD and Pictogram:  Warning.  

HAZARD STATEMENTS AND SYMBOLS:  H315.  Causes skin irritation.  Category 2  
                                        H319.  Causes eye irritation.  Category 2A  
                                        H335.  May cause respiratory irritation,  Target Organ Respiratory Cat 3  see P304,340 —remove to fresh air and keep at rest in a position comfortable for breathing

GHS LABELING/PRECAUTIONARY STATEMENTS:  P261.  Avoid breathing dust/fume/gas/mist/vapors/spray  
                                           P264.  Wash skin thoroughly after handling.  
                                           P280.  Wear protective gloves, eye protection/ face protection.  
                                           P305,P351,P338.  If in eyes—rinse with water for several minutes, remove contact lenses if present and easy to do and continue rinsing.

HAZARD NOT OTHERWISE CLASSIFIED:  None.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

PRODUCT NAME:  1-Pyrenebutanoic acid, succinimidyl ester
SYNONYMS:  1-Pyrenebutyric acid N-hydroxysuccinimide ester
CAS #:  97427-71-9
EC No:  N/A
MDL #:  MFCD00077403
MOL. FORMULA:  C_{24}H_{19}NO_{4}
MOL WEIGHT:  385.41 g/mol
OTHER COMPONENTS:  None

SECTION 4: FIRST AID MEASURES

NOTES TO PHYSICIANS/ FIRST AID PROVIDERS:  Treat symptomatically.  Avoid prolonged exposure.  Wear protective clothing.
EYES:  If eye contact occurs, wash affected area with water for 15 minutes and seek medical advice.
SKIN:  If skin contact occurs, wash affected area with water for 15 minutes and seek medical advice.
INGESTION:  If swallowed, rinse mouth out with water provided the person is conscious and seek medical advice.
INHALATION:  If product is inhaled, move individual to fresh air.  If breathing becomes difficult, seek medical advice.

SECTION 5: FIRE-FIGHTING MEASURES

GENERAL INFO:  As in any fire, wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
EXTINGUISHING MEDIA:  In case of fire use water spray, carbon dioxide, dry chemical powder or appropriate foam.
SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use appropriate protective equipment. Avoid breathing dust and vapors.

**Methods for clean up:** Absorb spills with a appropriate material. Collect and dispose of all waste in appropriate container.

**Environmental Precautions:** No special environmental precautions needed.

SECTION 7: HANDLING AND STORAGE

**HANDLING AND STORAGE:** Avoid ingestion & inhalation. Do not breathe dust. Avoid contact with skin, eyes & clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

**OTHER PRECAUTIONS:** Keep container tightly closed when not in use. Store at -20°C. Protect from light. Desiccate.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE LIMITS/CONTROL:** This products does not contain any substances with occupataional exposure limits established

**ENGINEERING CONTROLS:** Use adequate ventilation to keep airborne concentrations low. Safety shower and eye bath.

**RESPIRATORY PROTECTION:** Follow OSHA respirator regulations found in 29CFR 1910.134 or European Std EN 149

**EYE PROTECTION:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166

**SKIN PROTECTION:** Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

**OTHER PROTECTIVE CLOTHING:** Wear appropriate protective clothing to prevent exposure.

**WORK HYGIENIC PRACTICES:** Wear compatible chemical-resistant gloves to prevent skin exposure.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Solid

**ODOR:** No characteristic odor.

**pH AS SUPPLIED:** Not available.

**MELTING POINT:** Not available

**FREEZING POINT:** Not available

**FLASH POINT:** Not available

**BOILING POINT and RANGE:** Not available

**EVAPORATION RATE:** Not available.

**VAPOR PRESSURE (mmHg):** Not available

**RELATIVE DENSITY:** Not available

**SPECIFIC GRAVITY (H2O = 1):** Not available

**SOLUBILITY IN WATER:** Not available

**PARTITION COEFFICIENT:** Not available

**AUTOIGNITION TEMP:** Not available

**DECOMPOSITION TEMP:** Not available

**VISCOSITY:** Not available

**EXPLOSIVE PROPERTIES:** Not available

**OXIDIZING PROPERTIES:** Not available

SECTION 10: STABILITY AND REACTIVITY

**REACTIVITY:** Stable.

**CHEMICAL STABILITY:** Stable under normal storage temperatures and conditions.

**INCOMPATIBILITY (MATERIAL TO AVOID):** Avoid moisture, strong bases and strong oxidizing agents.
SECTION 11: TOXICOLOGICAL INFORMATION

RTECS NUMBER: None known
ACUTE TOXICITY: None Known
  LD50/LC50: None known
  Inhalation/Dermal: None known
SKIN CORROSION /IRRITANT: None known - may cause irritation in susceptible people
EYE DAMAGE /IRRITANT: None known - may cause irritation in susceptible people
GERM CELL MUTAGENICITY: None known
CARCINOGENICITY: None known (Not listed by NTP, IARC or OSHA)
EPIDEMIOLOGY: None known
REPRODUCTIVE /TERATOGEN: None known
NEUROTOXICITY: None known

SPECIFIC TARGET ORGAN Toxicity single exposure: None known
  Toxicity repeated exposure: None known

ASPIRATION HAZARD: None known

SIGNS/SYMPTOMS of EXPOSURE: To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated

SECTION 12: ECOLOGICAL INFORMATION

Do not allow product to reach ground water or water course

ECTOTOXICITY: No information available
MOBILITY: No information available
BIODEGRADATION: No information available
BIOACCUMULATION: No information available

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Observe all federal, state, and local environmental regulations for proper disposal.
RCRA HAZARD CLASS: Not available

SECTION 14: TRANSPORT INFORMATION

DOT (U.S.): HAZARD CLASS: DOT unrestricted. This substance is considered to be non-hazardous for transport
IMDG: HAZARD CLASS: This substance is considered to be non-hazardous for transport
IATA: HAZARD CLASS: This substance is considered to be non-hazardous for transport

SECTION 15: REGULATORY INFORMATION

U.S. TSCA (TOXIC SUBSTANCE CONTROL ACT): Not included on TSCA inventory, for R&D use only
SARA 302 COMPONENTS: Not listed
SARA 311/312 HAZARD CATEGORIES: Not listed
SARA 313 REPORTABLE INGREDIENTS: Not listed
INTERNATIONAL REGULATIONS:
  EEC EINECS Number: Not identified
  EEC Risk Statements / other: Not determined / none
SECTION 16: OTHER INFORMATION

NFPA & HMIS HAZARD CLASSIFICATION

HEALTH: 2.
FLAMMABILITY: 0.
REACTIVITY: 0.

This material is sold for research purposes only and is not required to appear on the TSCA inventory. It is not intended for food, drug, household, agricultural or cosmetic use. Its use must be supervised by a qualified individual experienced in handling potential hazardous chemicals. The information above is believed to be correct and represents the best information currently available to us but does not purport to be all inclusive and shall be used only as a guide. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way is Setareh Biotech liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Setareh Biotech has been advised of the possibility of such damages.