SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MESG
PRODUCT #: 6764
SYNONYMS: 2-Amino-6-merrcapto-7-methylpurine, inner salt
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
EMERGENCY PHONE: (541) 912-9944
PHONE: (541) 515-6560
FAX: (541) 844-1835

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION SIGNAL WORD: Not a hazardous substance or mixture.
GHS LABELING/PRECAUTIONARY STATEMENTS: Not a hazardous substance or mixture.
HAZARD STATEMENTS AND SYMBOLS: Not required.
HAZARD NOT OTHERWISE CLASSIFIED: None.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

PRODUCT NAME: MESG
SYNONYMS: 2-Amino-6-merrcapto-7-methylpurine, inner salt [1H-Purinium, 2-amino-6,9-dihydro-7-
             methyl-9-β-D-ribofuranosyl-6-thioxo-, inner salt]
CAS #: 55727-10-1
EC No: N/A
MDL #: N/A
MOL. FORMULA: C_{11}H_{15}N_{5}O_{4}S
MOL WEIGHT: 313.33 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 product does not contain any substances with occupational 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. Always use NIOSH N95 or European Standard EN 143 approved respirator when necessary.
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.
ODOR THRESHOLD: Not available
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.
FLAMMABILITY (SOLID,GAS): Not available.
Upper/lower flammability or Explosive limits: Not available.
VAPOR PRESSURE (mmHg): Not available.
VAPOR DENSITY (AIR = 1): Not available.
RELATIVE DENSITY: Not available
SPECIFIC GRAVITY (H2O = 1): Not available.
SOLUBILITY IN WATER: Moderate.
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.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: No decomposition if used according to specifications.
HAZARDOUS POLYMERIZATION: Polymerization won’t occur.
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 irritantion in susceptible people
EYE DAMAGE /IRRITANT: None known - may cause irritantion in susceptible people
RESPIRATORY IRRITANT: None known - may cause irritantion in susceptible people

GERM CELL MUTAGENICITY: None known
CARCINOGENITY: 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: Not available.
FLAMMABILITY: Not available.
REACTIVITY: Not available.

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