SAFETY DATA SHEET
7,8-Dihydroxyflavone

Section 1: Identification
Product name: 7,8-Dihydroxyflavone
Chemical name: 7,8-Dihydroxyflavone
CAS number: 38183-03-8
Molecular formula: C15H10O4
Molecular weight: 254.24 g/mol
Recommended use: Laboratory research use only
Uses advised against:
Not for food, drug, cosmetic or household use.

Section 2: Hazard(s) identification
This substance has not been fully evaluated for hazard classification according to Regulation (EC) No. 1272/2008 (CLP).
Signal word: None assigned
Hazard statements:
Not classified based on available data.

Precautionary statements
P261 Avoid breathing dust
P264 Wash hands thoroughly after handling
P270 Do not eat, drink or smoke when using this product
P280 Wear protective gloves, protective clothing and eye protection

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Section 3: Composition / information on ingredients
Substance: 7,8-Dihydroxyflavone
CAS number: 38183-03-8
Molecular formula: C15H10O4
Molecular weight: 254.24 g/mol
The product is supplied as a single substance for laboratory use.

Section 4: First aid measures
General advice
Seek medical attention if symptoms occur.

Inhalation
Move person to fresh air. If irritation or discomfort occurs, seek medical attention.

Skin contact
Wash with soap and water. Remove contaminated clothing.

Eye contact
Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Ingestion
Rinse mouth with water. Do not induce vomiting unless directed by medical personnel.

Section 5: Fire-fighting measures
Suitable extinguishing media
Water spray, dry chemical, foam or carbon dioxide.

Hazardous combustion products
Carbon oxides and irritating fumes may form during combustion.

Advice for firefighters
Wear self-contained breathing apparatus and protective clothing.

Section 6: Accidental release measures
Personal precautions
Ensure adequate ventilation. Avoid dust formation. Wear appropriate protective equipment.

Environmental precautions
Prevent release into drains or the environment.

Methods for cleaning up
Collect spilled material carefully and place in a suitable container for disposal.

Section 7: Handling and storage
Handling
Handle in accordance with good laboratory safety practices. Avoid contact with skin and eyes. Avoid breathing dust.

Storage
Store in a tightly sealed container in a cool, dry and well-ventilated area. Protect from heat, moisture and direct sunlight.

Section 8: Exposure controls / personal protection
Engineering controls
Use adequate ventilation or chemical fume hood.

Eye protection
Safety glasses or chemical safety goggles.

Hand protection
Protective gloves.

Skin protection
Laboratory coat or suitable protective clothing.

Respiratory protection
Use respiratory protection if dust exposure is possible.

Hygiene measures
Wash hands thoroughly after handling.

Section 9: Physical and chemical properties
Appearance: Powder
Color: Yellow to pale yellow
Odor: No data available
Melting point: No reliable data available
Boiling point: No data available
Solubility: Soluble in organic solvents such as DMSO

Section 10: Stability and reactivity
Chemical stability
Stable under recommended storage conditions.

Conditions to avoid
Heat, moisture, direct sunlight.

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
Carbon oxides.

Section 11: Toxicological information
No comprehensive toxicological data available.
Handle as a substance with incomplete toxicological characterization.

Section 12: Ecological information
No specific ecological data available.
Avoid uncontrolled release to the environment.

Section 13: Disposal considerations
Dispose of contents and container in accordance with local, regional and national regulations. Handle as laboratory chemical waste.

Section 14: Transport information
Not classified as dangerous goods for transport under ADR / IMDG / IATA regulations.

Section 15: Regulatory information
This substance is supplied for laboratory research purposes only.

Section 16: Other information
The information provided in this Safety Data Sheet is based on available chemical data and is intended for laboratory use and handling guidance.