

Safety Data Sheet

7,8-Dihydroxyflavone

Prepared in a 16-section REACH/CLP safety-data format for chemical reference material.

SECTION 1: Identification of the substance and of the company

Product identifier	7,8-Dihydroxyflavone
Chemical name	7,8-dihydroxy-2-phenylchromen-4-one
CAS number	38183-03-8
Relevant identified uses	Chemical reference material; laboratory and analytical applications
Uses advised against	Food, supplement, cosmetic, medical, diagnostic, therapeutic, human or animal consumption
Supplier	Rexar, Genestetstraat 3, 2394 XK Hazerswoude-Rijndijk, Netherlands
Contact	info@rexar.nl www.rexar.nl
Emergency information	Contact the appropriate local poison information centre or emergency service.

SECTION 2: Hazards identification

PubChem's ECHA C&L; notification summary reports Acute Toxicity Category 4 (oral), H302, with signal word Warning. Supplier classifications can differ; confirm against the applicable batch/supplier SDS.
H302 Harmful if swallowed

SECTION 3: Composition / information on ingredients

Substance	7,8-dihydroxy-2-phenylchromen-4-one
CAS number	38183-03-8
Molecular formula	C ₁₅ H ₁₀ O ₄
Molecular weight	254.24 g/mol
Purity	Lot-specific; refer to supplier documentation / certificate of analysis

SECTION 4: First-aid measures

Inhalation: Move to fresh air. Obtain medical advice if symptoms occur.

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

Eye contact: Rinse cautiously with water for several minutes. Seek medical advice if irritation persists.

Ingestion: Rinse mouth. Do not induce vomiting unless instructed by medical personnel. Seek medical advice.

SECTION 5: Fire-fighting measures

Use extinguishing media appropriate to the surrounding fire. Combustion may generate carbon oxides and, where applicable, nitrogen-, halogen- or other irritating decomposition products. Firefighters should use suitable protective equipment and self-contained breathing apparatus when required.

SECTION 6: Accidental release measures

Avoid dust formation and inhalation. Ventilate the area. Wear suitable gloves and eye protection. Collect mechanically into a suitable labelled container. Prevent uncontrolled release to drains or the environment.

SECTION 7: Handling and storage

Handle using good laboratory practice. Avoid contact with eyes and skin and avoid breathing dust. Keep tightly closed, dry and protected from light; follow lot-specific supplier storage information.

SECTION 8: Exposure controls / personal protection

No Rexar-specific occupational exposure limit has been established. Use adequate ventilation. Wear suitable laboratory gloves, protective clothing and safety glasses/goggles. Use respiratory protection where dust exposure cannot otherwise be controlled.

SECTION 9: Physical and chemical properties

Appearance	Solid / powder
Molecular formula	C15H10O4
Molecular weight	254.24 g/mol
Other properties	Lot- and method-dependent physical data should be verified from supplier documentation or experimentally.

SECTION 10: Stability and reactivity

Expected to be stable under recommended laboratory storage conditions. Avoid excessive heat, moisture and incompatible reactive materials. Hazardous decomposition products may include carbon oxides and other compound-specific combustion products.

SECTION 11: Toxicological information

Complete toxicological data for the supplied research material are not available. Do not infer absence of hazard from incomplete data. Use the classification information in Section 2 together with appropriate laboratory controls.

SECTION 12: Ecological information

Ecotoxicity, persistence, bioaccumulation and mobility data are incomplete or not established for the supplied material. Avoid environmental release.

SECTION 13: Disposal considerations

Dispose of contents and container through an appropriately authorised chemical-waste route in accordance with local, regional and national requirements. Do not discharge to drains.

SECTION 14: Transport information

No transport classification is assigned in this Rexar reference SDS unless supported by product-specific transport documentation. Verify current carrier and jurisdictional requirements before shipment.

SECTION 15: Regulatory information

This document uses the 16-section REACH/CLP SDS structure. Product-specific registration, notification and regulatory obligations depend on substance identity, quantity, jurisdiction and use. The user remains responsible for applicable compliance checks.

SECTION 16: Other information

Revision date: 10 September 2026.

Identity reference: PubChem CID 1880.

This SDS is a laboratory safety-information document and is not a certificate of analysis. Classification may require revision when new supplier, batch or regulatory information becomes available.