

Chrysin

SDS Preparation Date 06/28/2017

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SAFETY DATA SHEET

Section 1 Identification of the substance/mixture and of the company/undertaking

Product Identifier:

Identification on the label/ Tradename:

Chrysin

Synonyms:

5,7-dihydroxy-2-phenyl-4H-1-benzopyran-4-one; 5,7-Dihydroxyflavone; NSC 407436

Relevant identified uses of the substance and uses advised against:

Identified Uses:

No information available

Uses Advised Against:

No information available

Name, address, and telephone number of the manufacturer:

Refer to Supplier

Name, address, and telephone number of the supplier:

Encore Scientific

801 West New Orleans Street Broken Arrow, OK, USA 74011

Supplier's Telephone #

800-454-2304 Monday to Friday 8:00 am to 6:00 pm (Central time)

24 Hr. Emergency Tel #

INFOTRAC: (800) 535-5053 (Within Continental US and Canada); (352)323-3500 (International)

Section 2 Hazards Identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

The product is not classified according to the CLP regulation.

Label Elements

Labelling according to Regulation (EC) No 1272-2008

Void

Hazard Pictograms

Void

Signal word

Void

Adverse Human Health Effects and Symptoms:

Material may be irritating to the mucous membranes and upper respiratory tract. May be harmful by inhalation, ingestion, or skin absorption. May cause eye, skin, or respiratory system irritation. To the best of our knowledge, the toxicological properties have not been thoroughly investigated.

Section 3 Composition/information on ingredients

Components	CAS No.	Concentration %
Chrysin	480-40-0	100

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Section 4 First aid measures

- In Case of Inhalation:** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.
- In Case of Skin Contact:** Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.
- In Case of Eye Contact:** Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.
- In Case of Ingestion:** Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

Section 5 Fire-Fighting measures

- Stable Extinguishing Media:** Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire exposed containers.
- Unsuitable Extinguishing Media:** A solid water stream may be inefficient.
- Flammable Properties and Hazards:** No data available
- Flash Point:** No data available
- Explosive Limits:** LEL: No data. UEL: No data.
- Fire Fighting Instructions:** As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent), and full protective gear to prevent contact with skin and eyes.

Section 6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures:** Avoid raising and breathing dust, and provide adequate ventilation. As conditions warrant, wear a NIOSH approved self-contained breathing apparatus, or respirator, and appropriate personal protection (rubber boots, safety goggles, and heavy rubber gloves).
- Environmental precautions:** Take steps to avoid release into the environment, if safe to do so.
- Methods and materials for containment and cleaning up:** Contain spill and collect, as appropriate. Transfer to a chemical waste container for disposal in accordance with local regulations.

Section 7 Handling and storage

- Precautions for safe handling:** Prevent formation of dust.
- Information about protection against explosions and fires:** No special measures required.
- Conditions for safe storage, including any incompatibilities**
Requirements to be met by storerooms and receptacles: No special requirements.
Information about storage in one common storage facility: Not required.

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Section 7 Handling and storage (Continued)

Further information about storage conditions: Store in cool, dry conditions in well-sealed receptacles.

Specific end use(s): No further relevant information available.

Section 8 Exposure Controls/Personal Protection

CAS #	Chemical Name	Britain EH40	France VL	Europe
480-40-0	Chrysin	No data.	No data.	No data.

CAS #	Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
480-40-0	Chrysin	No data.	No data.	No data.

Engineering controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal protection equipment:

Eye Protection:	Safety glasses
Protective Gloves:	Compatible chemical-resistant gloves
Other Protective Clothing:	Lab coat
Respiratory Equipment:	NIOSH approved respirator, as conditions warrant
Work/Hygienic/Maintenance Practices:	Do not take internally. Facilities storing or utilizing this material should be equipped with an eyewash and a safety shower. Wash thoroughly after handling.

Section 9 Physical and chemical properties

Form:	Solid
Appearance	A crystalline solid
Odor:	Characteristic
Odor threshold:	No data available
pH:	Not applicable
Evaporation rate:	No data available
Melting/Freezing point:	284.00-286.00 °C
Boiling point:	No data available
Flash point:	No data available
Auto-ignition temperature:	400 °C (752 °F)

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Section 9 Physical and chemical properties (Continued)

Decomposition temperature:	No data available	
Flammability (solid, gas):	No data available	
Vapor pressure:	No data available	
Relative vapor density at 20 °C:	No data available	
Relative density:	No data available	
Solubility:	~ 30 mg/mL in DMSO & DMF	
Water/Oil Dist. Coeff.:	No data available.	
Viscosity:	No data available	
Explosive properties:	No data available	
Oxidizing properties:	No data available.	
Explosive limits:	No data available	
Molecular Formula & Weight:	C ₁₅ H ₁₀ O ₄	254.2

Section 10 Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

Section 11 Toxicological information

Information on Toxicological Effects: the toxicological effects of this product have not been thoroughly studied.

Chrysin - Toxicity Data: Intraperitoneal TDLo (rat): 1 mg/kg

Chrysin - Investigated as a mutagen.

Only select Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here.

See actual entry in RTECS for complete information.

Chrysin RTECS Number: LK8329050

CAS #	Hazardous Components(Chemical Name)	NTP	IARC	ACGIH	OSHA
480-40-0	Chrysin	n.a.	n.a.	n.a.	n.a.

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Section 12 Ecological information

Toxicity: Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.

Persistence and degradability: No data available.

Bioaccumulative potential: No data available.

Mobility in soil: No data available.

Results of PBT and vPvB assessment: No data available.

Other adverse effects: No further relevant information available.

Section 13 Disposal considerations

Waste Disposal Method: Disposal must be made according to official regulations.

Section 14 Transport information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not dangerous goods.

DOT Hazard Class:

UN/NA Number:

LAND TRANSPORT (European ADR/RID)

ADR/RID Shipping Name: Not dangerous goods.

UN Number:

Hazard Class:

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not dangerous goods

Additional Transport: Transport in accordance with local, state, and federal regulations

Section 15 Regulation information

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
480-40-0	Chrysin	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
480-40-0	Chrysin	CAA HAP, ODC: No; CWA NPDES: No; CA PROP. 65: No

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Section 16 Other information

Date of Preparation/Last Revision: 06-28-2017/ -

Further information: This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to reader:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgment of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.