

Section 1. Product and Company Identification

Product Name Luteolin
CAS Number 491-70-3

Parchem - fine & specialty chemicals
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New Rochelle, NY 10801
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EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Skin irritation (Category 2), H315

Eye irritation (Category 2A), H319

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

GHS Label Elements

Pictograms:



Signal word: WARNING

Hazard and precautionary statements

Hazard Statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Precautionary Statements

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact



lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/ physician if you feel unwell.
P321 Specific treatment (see supplemental first aid instructions on this label).
P332 + P313 If skin irritation occurs: Get medical advice/ attention.
P337 + P313 If eye irritation persists: Get medical advice/ attention.
P362 Take off contaminated clothing and wash before reuse.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS

Emergency Overview: May cause skin irritation and/or dermatitis

Principle routes of exposure

Skin Inhalation: May cause irritation of respiratory tract

Ingestion: May be harmful if swallowed.

Skin contact: May cause allergic skin reaction

Eye contact: Avoid contact with eyes

Statements of hazard: MAY CAUSE ALLERGIC SKIN REACTION.

Section 3. Composition / Information on Ingredients

Common Name	Luteolin
Synonym(s)	Chrysanthemum powder extract; <i>Dendranthema Morifolium</i> ; 3',4',5,7-Tetrahydroxyflavone
Formula	C ₁₅ H ₁₀ O ₆
CAS Number	491-70-3

Section 4. First Aid Measures

General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Inhalation: Move to fresh air. Call a physician immediately.

Skin contact: Rinse immediately with plenty of water and seek medical advice

Ingestion: Do not induce vomiting without medical advice.

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Protection of first-aiders: No information available

Medical conditions aggravated by exposure: None known

Section 5. Firefighting Measures

Suitable extinguishing media: Use dry chemical, CO₂, water spray, or "alcohol" foam

Specific hazards: Burning produces irritant fumes.

Unusual hazards: None known



Special protective equipment for firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Specific methods: Water mist may be used to cool closed containers.

Flash point: Not determined

Auto-ignition temperature: Not determined

NFPA Rating

Health: 1

Flammability: 1

Reactivity: 0

Section 6. Accidental Release Measures

Personal precautions: Use personal protective equipment.

Environmental precautions: Prevent product from entering drains.

Methods for cleaning up: Sweep up and shovel into suitable containers for disposal.

Section 7. Handling and Storage

Storage: Stable under normal conditions

Handling: Use only in area provided with appropriate exhaust ventilation.

Safe handling advice: Wear personal protective equipment.

Incompatible products: Oxidizing and spontaneously flammable products

Section 8. Exposure Controls / Personal Protection

Engineering measures: Ensure adequate ventilation.

Personal Protective Equipment

Respiratory protection: Breathing apparatus only if aerosol or dust is formed.

Hand protection: PVC or other plastic material gloves

Skin and body protection: Usual safety precautions while handling the product will provide adequate protection against this potential effect.

Eye protection: Safety glasses with side-shields

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

Section 9. Physical and Chemical Properties

Appearance and Odor: Light yellow powder

Physical state: Powder

Boiling point/range: No data available at this time.

Vapor pressure: No data available

Evaporation rate: No data available

Vapor density: No data available



Solubility (in water): No data available
Flash point: Not determined
Auto-ignition temperature: Not determined

Section 10. Stability and Reactivity

Stability: Stable under recommended storage conditions.
Polymerization: None under normal processing.
Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapors such as carbon oxides.
Materials to avoid: Strong oxidizing agents
Conditions to avoid: Exposure to air or moisture over prolonged periods.

Section 11. Toxicological Information

Product Information
Primary irritation: No data is available on the product itself.
Carcinogenic effects: No data is available on the product itself.
Mutagenic effects: No data is available on the product itself.
Reproductive toxicity: No data is available on the product itself.

Section 12. Ecological Information

Mobility: No data available
Bioaccumulation: No data available
Ecotoxicity effects: No data available
Aquatic toxicity: May cause long-term adverse effects in the aquatic environment.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT (US): Not dangerous goods
IMDG: Not dangerous goods
IATA: Not dangerous goods

Section 15. Regulatory Information

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.



SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards: Acute Health Hazard, Chronic Health Hazard

Massachusetts Right to Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right to Know Components

2-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-4-benzopyrone (CAS-No. 491-70-3)

New Jersey Right to Know Components

2-(3,4-Dihydroxyphenyl)-5,7-dihydroxy-4-benzopyrone (CAS-No. 491-70-3)

California Prop. 65 Components: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

REVISION DATE: 7/7/2015

