



## DATA SHEET

**Item No: T24805**  
**4',5,7-Trihydroxyflavanone 97%**

Chemical Formula: C<sub>15</sub>H<sub>12</sub>O<sub>5</sub>  
Melting Point: 247-250  
Boil Point: 577.5  
Molecular Weight: 272.26  
Hazard Information: Not D.O.T.-Regulated

Chemical Name: 4',5,7-Trihydroxyflavanone 97%

Synonyms: Naringenin

CAS Number: 480-41-1

MDL Number: MFCD00006844

EC Number: 266-769-1

Beilstein Reg. Number: Not Available

Molecular Formula: C<sub>15</sub>H<sub>12</sub>O<sub>5</sub>

Molecular Weight: 272.26

Acute Health Hazard: Irritant to eyes, skin, mucous membranes and respiratory system. May be harmful by ingestion, inhalation or skin absorption.

Chronic Health Hazard: Irritant

HMIS Rating: H:2 F:0 R:0

NFPA Rating: H:2 F:0 R:0

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.

Eye Contact: Flush eyes with large amounts of water for fifteen minutes. Separate eyelids with fingers. If irritation persists, seek medical attention.

Skin Contact: Wash skin with soap and water. If irritation persists, seek medical attention.

Ingestion: Do not induce vomiting. Seek medical attention.

Inhalation: Move to a fresh air environment. Contact a physician if breathing becomes difficult.

Flash Point: 224.7 °C

Explosion Limits: Lower: Not Available

Upper: Not Available

Auto Ignition Temperature: Not Available

Extinguishing Media: Carbon dioxide, dry chemical powder or foam, water spray.

Protective Equipment: Wear self-contained respirator and fully protective impervious suit.

Specific Hazards: Emits toxic fumes under fire conditions.

Personal Protection: Wear a self-contained breathing apparatus, rubberboots and gloves, and disposable coveralls. Dispose of coveralls after use.

Keep unprotected persons away.

Environmental Protection: Keep spills out of sewers and bodies of water. Dike and contain the spill with inert material. Absorb on sand, vermiculite or diatomite. Transfer material to a container for disposal or recovery. Ventilate area and wash spill site after material pickup is complete.

Handling: Avoid breathing dust, vapor, mist or gas. Avoid contact with skin and eyes. Avoid prolonged or repeated exposure. Use only in a chemical fume hood. Open and handle container with care. Keep ignition sources away.

Storage: Store in a tightly closed container in a dry, wellventilated place.

Storage Temperature: 15 - 30°C

Eyes: Wear appropriate protective eyeglass or chemical safety goggles. Eyewash facility in vicinity.

Skin: Wear impervious gloves and protective clothing.

Respiratory: Use a NIOSH approved respirator when exposure limits are exceeded or if irritation or other symptoms are experienced.

Exposure Limits: Country Source Type Value

USA ACGIH TWA Not Available

USA OSHA PEL Not Available

Appearance: Light Brown Powder

Odor: Not Available

Melting Point: 247-250 °C

Boiling Point: 577.5 °C

Density: 1.485g/cm<sup>3</sup>

Refractive Index, n<sub>20</sub>

D: Not Available

Viscosity: Not Available

Solubility in Water: Not Available

Stability: Stable under normal temperatures and pressures.

Incompatibility: Strong oxidizing agents.

RTECS Number: Not Available

Target Organs: Not Available

Contact a licensed professional waste disposal service. Dispose in a manner consistent with federal, state and local environmental regulations.

DOT: Not regulated

IATA: Not regulated

United States:

Toxic Substance Control Act (TSCA): Not listed

Superfund Amendments and Reauthorization Act (SARA 302): Not listed

Superfund Amendments and Reauthorization Act (SARA 313): Not listed

Europe: European Inventory of Existing Chemical Substances (EINECS): No. 266-769-1

Canada: Canadian Domestic Substances List (DSL): Not listed

Canadian Non-Domestic Substances List (NDSL): Not listed

Date Prepared: 7/7/10    MH

The information above is presented in good faith. It is believed to be accurate and represents the best information currently available to us. However we make no warranty with respect to such information and we assume no liability resulting from its use. The user should consider this information as a supplement to other information that may be available and make independent judgment to ensure proper use to protect the health and safety of employees and the environment.

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