1. Product identifiers

Product name: Apigenin-7-O-glucoside
Catalogue number: 1004 S
CAS NUMBER: 578-74-5

2. Classification of the substance or mixture

According to Regulation (EC) No 1272/2008
Not a hazardous substance or mixture.

3. Composition / Information on ingredients

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS NUMBER</th>
<th>Concentration</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apigenin-7-O-glucoside</td>
<td>578-74-5</td>
<td>&lt; 100%</td>
<td></td>
</tr>
<tr>
<td>Methanol</td>
<td>[67-56-1]</td>
<td>&lt;3%</td>
<td>Flam. Liq. 2 (H225) ; Acute Tox. 3 (H301) ; STOT SE 1 (H370) ; Acute Tox. 3 (H311) ; Acute Tox. 3 (H331)</td>
</tr>
</tbody>
</table>

4. Emergency response

Emergency call number (I.N.R.S France): Tel: (33)(0)145-42-59-59
4. **FIRST AID MEASURES**

4.1 **Description of first aid measures**

**General advice**
Consult a physician. Show this safety data sheet to the doctor in attendance.

**Inhalation**
In case of inhalation, move the victim to fresh air. If breathing is difficult, put the victim on oxygen. If breathing stops, carry out artificial respiration.

**In case of skin contact**
Wash thoroughly with water and soap.

**In case of eye contact**
Rinse well with plenty of water for at least 15 minutes.

**Ingestion**
Do not make an unconscious person vomit or swallow anything. Rinse the mouth thoroughly with water.

4.2 **Most important symptoms and effects, both acute and delayed**
The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 **Indication of any immediate medical attention and special treatment needed**
No data available.

5. **FIRE-FIGHTING MEASURES**

5.1 **Extinguishing media**
Carbon dioxide, dry powder.

5.2 **Special hazards arising from the substance**
Harmful/toxic vapours, carbon oxides may be released during the fire.

5.3 **Advice for fire-fighters**
Wear an autonomous breathing apparatus and suitable protection clothing against chemical agents.

6. **ACCIDENTAL RELEASE MEASURES**

6.1 **Personal precautions, protective equipment and emergency procedures**
Use personal protective equipment. Evacuate the personnel from the contaminated zone. Ensure adequate ventilation.

6.2 **Environnemental precautions**
Keeping away from drains, surface and ground waters.

6.3 **Methods and materials for containment and cleaning up**
Clean up without creating dust and place in adapted and sealed containers for elimination. Wash the contaminated area with water and soap. Confine washing water and dispose of it complying with the local regulations. After cleaning, quickly eliminate traces of water with a product absorbing liquids (for example: sand, sawdust, universal binder, Kieselguhr).

6.4 **Reference to other sections**
For disposal see section 13.

7. **HANDLING AND STORAGE**

7.1 **Precautions for safe handling**
Avoid formation of dust. Avoid contact with skin and eyes. During handling, wear suitable personal protective equipment (see section 8). Follow the normal measures for preventive fire protection.

7.2 **Specific handling**
No data available.

7.3 **Conditions for safe storage, including any incompatibilities**
Store in a cool well-ventilated place.
Keep container tightly closed in a dry place away from light.
Store at <+8°C
7.4 Specific end use(s)
No data available

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)
This information is not available.

8.2 Exposure controls

Respiratory protection
Wear imperatively an appropriated mask/respirator, tested and approved by standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with protective gloves. The selected gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Eye protection
Wear safety glasses.

Skin protection
Wear suitable protective clothing according to the quantity and the level of activity of the substance at the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a. Physical state : Powder
b. Odour : No data available
c. Odour threshold : No data available
d. pH : No data available
e. Melting point/freezing point : No data available
f. Initial boiling point/boiling range : No data available
g. Flash point : No data available
h. Evaporation rate : No data available
i. Flammability (solid, gas) : No data available
j. Upper/Lower flammability or explosive limits : No data available
k. Vapour pressure : No data available
l. Vapour density : No data available
m. Relative density : No data available
n. Solubility : Ethyl alcohol (Soluble)
o. Partition coefficient: n-octanol/water : No data available
p. Auto-ignition temperature : No data available
q. Decomposition temperature : No data available
r. Viscosity : No data available
s. Explosive properties : No data available
t. Oxidizing properties : No data available

9.2 Other information
No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity
10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
No hazardous reactions during storage and handling complying with the instructions.

10.4 Conditions to avoid
No data available.

10.5 Incompatible materials
No data available.

10.6 Hazardous decomposition products
No hazardous decomposition products if the instructions for handling and storage are respected. During high overheating of the substance or during a fire, hazardous decomposition products may be produced.

11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute oral toxicity
  No data available.
- Acute dermal toxicity
  No data available.
- Acute inhalation toxicity
  No data available.
- Skin Corrosion
  No data available.
- Skin Irritation
  No data available.
- Serious Eye Damage
  No data available.
- Eye Irritation
  No data available.
- Respiratory Sensitisation
  No data available.
- Skin Sensitisation
  No data available.
- Germ Cell Mutagenicity
  No data available.
- Carcinogenicity
  No data available.
- Reproductive Toxicity
  No data available.
- Specific Target Organ Toxicity - Single Exposure
  No data available.
- Specific Target Organ Toxicity - Repeated Exposure
  No data available.
- Aspiration Hazard
  No data available.

11.2 Information on other hazards
No data available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
No data available.

12.2 Persistence and degradability
No data available.

12.3 Bioaccumulative potential
No data available.
12.4 Mobility in soil
No data available.

12.5 Results of PBT and vPvB assessment
No data available.

12.6 Endocrine disrupting properties
No data available.

12.7 Other adverse effects
No data available.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Non-recyclable surplus and solutions must be sent to a licensed professional waste disposal service, while respecting the local statutory instructions. Contaminated packaging is to be eliminated in the same way as the product that is contained.

14. TRANSPORT INFORMATION

14.1 UN number or ID number
Not subject to transport regulations

14.2 UN proper shipping name
Not assigned.

14.3 Transport hazard classes
-

14.4 Packing group
-

14.5 Environmental hazards
No

14.6 Special precautions for user
There is no additional information.

14.7 Maritime transport in bulk according to IMO instruments
The cargo is not intended to be carried in bulk.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
Directive 96/82/CE (SEVESO category/named substances) : not applicable.
Regulation CE 2037/2000 (substances that deplete the ozone layer) : not applicable.
Regulation 850/2004 (persistent organic pollutants) : not applicable.
Regulation REACH-Titre VII (authorisations) et Titre VIII (restrictions) : not applicable.

15.2 Chemical safety assessment
Not applicable.

16. OTHER INFORMATION

Use
The information contained in this safety data sheet are based on our experience and our current knowledge. The data may in no case be considered as product specifications. It is provided for information purposes only with no obligation on our part. In this respect, we shall not be held liable for the use which is made of our products and for the information given above.

Abbreviations and acronyms
ADR: Agreement on Dangerous Goods by Road
RID: Regulations concerning the International Transport of Dangerous Goods by Rail
IATA: International Air Transport Association
CAS: Chemical Abstract Service
PBT: Persistent, Bioaccumulative and Toxic
vPvB: Very Persistent and Very Bioaccumulative

Full text of R-phrase(s) and S-phrase(s) according to European Directive 67/548/EEC-Full text of hazard statement(s) mentioned in section 3

Acute Tox. (R68) Acute oral toxicity
Acute Tox. (R69) Acute dermal toxicity
Acute Tox.  Acute inhalation toxicity
Flam. Liq.  Flammable Liquids
STOT SE  Specific Target Organ Toxicity - Single Exposure
  1  Category 1
  2  Category 2
  3  Category 3
H225  Highly flammable liquid and vapour
H301  Toxic if swallowed
H311  Toxic in contact with skin
H331  Toxic if inhaled
H370  Causes damage to organs