

(±)-Taxifolin: sc-202828



The Power to Question

MATERIAL SAFETY DATA SHEET

1 Product and company identification

Product name: (±)-Taxifolin
Catalog code: sc-202828
Synonyms: Taxifolioside; Distylin; Catechin
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

2 Hazards identification

Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
GHS07



Acute Toxicity Category 4
H302 Harmful if swallowed.
Classification according to Directive 67/548/EEC or Directive 1999/45/EC:
Xn Harmful



R22 Harmful if swallowed.
Information concerning particular hazards for human and environment: Not applicable.

Label elements

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

The substance is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS07



Signal word Warning
Hazard statements:
H302 Harmful if swallowed.

Precautionary statements

P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P330 Rinse mouth.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterization: Substances

<i>Formula:</i>	<i>MW</i>	<i>CAS #</i>	<i>EC #</i>	<i>Annex I Index #</i>
(±)-Taxifolin C ₁₅ H ₁₂ O ₇	304.3	480-18-2	207-543-4	-

4 First aid measures

Description of first aid measures

General information:

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Remove contaminated clothing. Immediately wash with water and soap and rinse thoroughly. Seek medical attention if symptoms appear.

After eye contact: Rinse opened eye for several minutes under running water. Check for and remove contact lenses. If symptoms persist, consult a doctor.

After ingestion: Call for a doctor immediately.

Information for doctor: Most important symptoms and effects, both acute and delayed.

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

Extinguishing media

Suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture

No further relevant information available.

Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device. Do not inhale explosion gases or combustion gases. Wear fully protective suit.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures: Avoid formation of dust. Wear protective clothing.

Environmental precautions: No special measures required.

Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 13.

Reference to other sections

See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling

Precautions for safe handling: No special precautions are necessary if used correctly.

Information about fire - and explosion protection: No special measures required.

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles: Store tightly sealed in a cool, dry and well ventilated location at -20° C (see label for additional specific information).

Information about storage in one common storage facility: Keep away from heat, sources of ignition and incompatibles such as oxidizing agents.

Further information about storage conditions: Store under lock and key and with access restricted to technical experts or their assistants only.

Specific end use(s)

No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Control parameters

Ingredients with limit values that require monitoring at the workplace: Not required.

Additional information: The lists valid during the making were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work.

Respiratory protection: Not required.

Protection of hands:

Protective gloves



The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles



9 Physical and chemical properties

Form	Powder	Odor	Characteristic
Odor threshold	Not determined	pH-value	Not applicable
Melting point/Melting range	Undetermined	Boiling point/Boiling range	Undetermined
Flash point	Not applicable	Flammability (solid, gaseous)	Not flammable
Ignition temperature	Not determined	Decomposition temperature	Not determined
Self-igniting	Not determined	Lower explosion limit	Not determined
Upper explosion limit	Not determined	Vapor pressure	Not applicable
Density	Not determined	Relative density	Not determined
Vapor density	Not applicable	Evaporation rate	Not applicable
Solubility in/Miscibility with water	Not determined	Dynamic viscosity	Not applicable
Segregation coefficient (n-octanol/water)	Not determined	Kinematic viscosity	Not applicable
Danger of explosion	Product does not present an explosion hazard		
Other information	No further relevant information available.		

10 Stability and reactivity

Reactivity

Chemical stability: Stable. Avoid strong oxidizing agents.

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.

11 Toxicological information

Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification

LD50 985 mg/kg (mouse) (intraperitoneal)

LD50 1200 mg/kg (rat) (intraperitoneal)

Primary irritant effect

on the skin: Not determined

on the eye: Not determined

Sensitization: No sensitizing effects known.

12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Behaviour in environmental systems

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects

No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation: Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

14 Transport information

Maritime transport IMDG

Marine pollutant: No

Special precautions for user: Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

15 Regulatory information

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

2/16/2012