

Ethyl 3,4-Dihydroxycinnamate: sc-205930



The Power to Question

MATERIAL SAFETY DATA SHEET

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

Product Name: Ethyl 3,4-Dihydroxycinnamate
Catalog Number: sc-205930
Synonyms: CAEE; Ethyl caffeate;
CAS Number: 66648-50-8
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



Skin Irrit. 2 H315 – Causes skin irritation.
Eye Irrit. 2 H319 – Causes serious eye irritation.
STOT SE 3H335 – May cause respiratory irritation.

Classification according to Directive 67/548/EEC or Directive 1999/45/EC:

Xi; Irritant



R36/37/38: Irritating to eyes, respiratory system and skin.

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:

H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P405 Store locked up.

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>CAS No.</i>	<i>Description</i>
66648-50-8	Caffeic acid ethyl ester

Identification number(s):Not applicable

4 First aid measures

Description of first aid measures

After inhalation: In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. 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:If symptoms persist consult doctor.

Information for doctor: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further information available.

5 Firefighting measures

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: Ensure adequate ventilation.

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

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

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

Storage: Store tightly sealed in a cool, dry and well ventilated location (see label for storage temperature and additional specific information). Stable for at least one year after receipt when stored at -20° C.

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: Keep container tightly sealed.

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. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

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

Information on basic physical and chemical properties

Formula: C₁₁H₁₂O₄

Form: Solid

Odor threshold: Not determined.

Melting point/Melting range: Undetermined.

Flash point: Not applicable.

Decomposition temperature: Not determined.

Danger of explosion: No explosion hazard.

Upper Explosion limit: Not determined.

Density: Not determined.

Vapour density Not determined.

Solubility in / Miscibility with water: Not determined.

Segregation coefficient (n-octanol/water):Not determined.

Other information No further relevant information available.

Weight: 208.2 g/mol

Odor: Characteristic

pH-value: Not determined.

Boiling point/Boiling range: Undetermined.

Flammability (solid, gaseous):Undetermined

Self-igniting: Not determined.

Lower Explosion limit: Not determined.

Vapor pressure: Not determined.

Relative density Not determined.

Evaporation rate Not applicable.

Dynamic Viscosity: Not determined.

Kinematic Viscosity: Not determined.

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:Not applicable

Primary irritant effect:

on the skin:Irritant to skin and mucous membranes.

on the eye:Irritating effect.

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 effectsNo 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 CodeNot 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.

4/18/2011