

# Safety Data Sheet

Release 2.0  
Revision 03/19/2012  
Date of issue 08/05/2015

## 1 Identification of the substance

### Identification of the substance

Identification of the substance L-Arginyl-L-arginine 7-amido-4-methylcoumarin trihydrochloride

### Additional identification

Biosynth catalog no. A-8750

### Use of the substance/preparation

Identified uses enzyme substrate

Restriction on use not for food or drug use, for culture media use only

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### Emergency Number

Phone +41 (0)71 858 20 20 office hours

## 2 Hazards identification

### GHS Labeling

#### Regulatory List

EC1272/08 Regulation (EC) 1272/2008 (GHS/CLP)

#### Precautionary Statement

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

P262 Do not get in eyes, on skin, or on clothing.

### Labeling (EU)

#### Regulatory List

EEC/67/548 Regulation EEC/67/548

#### S Phrases

S24/25 Avoid contact with skin and eyes.

S22 Do not breathe dust.

#### Additional Information

Caution! To the best of our knowledge the toxicological properties of this material have not been thoroughly investigated.

## 3 Composition/information on ingredients

### Substance related information

Substance name L-Arginyl-L-arginine 7-amido-4-methylcoumarin trihydrochloride

#### Synonyms

Cas No. [201847-69-0]

Formula C<sub>22</sub>H<sub>36</sub>Cl<sub>3</sub>N<sub>9</sub>O<sub>4</sub>

## 4 First aid measures

### First Aid: Eye

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

### First Aid: Skin

Wash immediately with plenty of water and soap for at least 15 minutes. Remove contaminated clothing and shoes. Wash contaminated clothes before reuse. Call a physician.

### First Aid: Ingestion

Wash out mouth with water provided person is conscious. Call a physician.

### First Aid: Inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Call a physician.

### Hints for Physician: Treatment

Treat symptomatically.

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## 5 Firefighting measures

### Extinguishing Media

#### Suitable

foam, dry extinguishing powder, carbon dioxide (CO<sub>2</sub>), water spray jet

#### Unsuitable

not available

### Hazards During Fire-Fighting

toxic fumes

### Protective Equipment for Fire-Fighting

Wear a self-contained breathing apparatus and chemical protective clothing.

### Fire-Fighting/Further Advice

Do not inhale explosion and combustion gases. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

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## 6 Accidental release measures

### Personal Precautions

Avoid generation of dust. Wear breathing apparatus if exposed to vapours/dusts/aerosols. Provide adequate ventilation.

### Environmental Precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Ensure all waste water is collected and treated via a waste water treatment plant.

### Methods for Cleaning or Taking Up

not available

### Further Accidental Release Measures

Avoid generation of dust. Collect in closed and suitable containers for disposal. Clear contaminated areas thoroughly. Ventilate affected area.

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## 7 Handling and storage

### Handling

#### Handling advice

Avoid contact with skin, eyes and clothing. Avoid ingestion and inhalation. Avoid prolonged or repeated exposure. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling.

**Storage**

**Storage temperature**

store at -15°C

**Storage condition**

protect from light

**Storage Requirements (SDS)**

Keep away from incompatible substances. Keep container tightly closed when not in use.

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**8 Exposure controls/personal protection**

**Exposure controls**

**Industrial Hygiene**

Mechanical exhaust required. Safety shower and eye shower.

**Personal Protective Equipment**

**Respiratory Protection**

Wear NIOSH/MSHA or European Standard EN 149 approved respirator.

**Hand Protection**

Wear compatible chemical-resistant gloves to prevent skin exposure.

**Eye Protection**

Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA.

**Body Protection**

Wear compatible chemical-resistant gloves and clothing to prevent skin exposure.

**Advice on Safe Handling**

Wash contaminated clothing before reuse. Wear appropriate protective clothing to prevent exposure.

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**9 Physical and chemical properties**

**Color**

white, off-white

**Form**

crystalline powder

**Molar Mass**

596.95 g/mol

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**10 Stability and reactivity**

**Conditions to Avoid (SDS)**

incompatible materials, light

**Substances to Avoid (SDS)**

strong acids, strong bases, strong oxidizers

**Decomposition Products**

nitrogen oxides (NO<sub>x</sub>), carbon dioxide (CO<sub>2</sub>), hydrogen chloride (HCl), carbon monoxide

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**11 Toxicological information**

**Other Relevant Toxicity Information**

We are not aware of any toxicology data.

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**12 Ecological Information**

**Biodegradation**  
no data available

**Bioaccumulation**  
no data available

**Distribution in Environment**  
no data available

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## 13 Disposal considerations

### Advice on Disposal and Packaging

*Advice on Disposal*

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and, Dispose of waste according to Kreislaufwirtschafts- und Abfallgesetz (KrW-/AbfG).

*Advice on Packaging*

not available

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## 14 Transport information

### Road Transport (ADR/GGVS)

*not regulated*

### Air Transport (IATA)

*not regulated*

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## 15 Other regulations

### Other Regulations

not available

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## 16 Additional information

### GHS Labeling

*Regulatory List*

EC1272/08      Regulation (EC) 1272/2008 (GHS/CLP)

*Precautionary Statement*

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