



# MYRISTATE DE MYRISTYLE / DUB MM

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH). A safety data sheet is not required for this product under Article 31 of REACH.  
This Product Safety Information Sheet has been created on a voluntary basis  
Date of issue: 01/08/2018 Revision date: 01/08/2018 Version: 4.01

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name : MYRISTATE DE MYRISTYLE / DUB MM  
Chemical name : Myristyl myristate  
CAS-No. : 3234-85-3  
EC-No. : 221-787-9  
REACH registration No : 01-2119969648-15

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Main use category : Cosmetics, Industrial use

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

STEARINERIE DUBOIS  
696 rue Yves Kermen  
92100 Boulogne Billancourt - France  
T +33 1 46 10 07 30 - F +33 1 49 10 99 48  
[info@duboisexpert.com](mailto:info@duboisexpert.com)

#### 1.4. Emergency telephone number

Emergency number : Orfila: +33 1 45 42 59 59

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Name	Product identifier	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Myristyl myristate	(CAS-No.) 3234-85-3 (EC-No.) 221-787-9 (REACH-no) 01-2119969648-15	Not classified

#### 3.2. Mixtures

Not applicable

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Take victim to fresh air, in a quiet place and if necessary take medical advice.  
First-aid measures after skin contact : Rinse immediately with plenty of water (for at least 15 minutes). Soap may be used.  
First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes.  
First-aid measures after ingestion : Give nothing to drink. And. Do not induce vomiting without medical advice. Get immediate medical advice/attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available



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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : carbon dioxide (CO<sub>2</sub>), dry chemical powder, foam.  
Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : None known.  
Hazardous decomposition products in case of fire : carbon oxides.

#### 5.3. Advice for firefighters

- Protection during firefighting : Use normal individual fire protective equipment.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin and eyes.

##### 6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

- Protective equipment : Concerning personal protective equipment to use, see section 8.

#### 6.2. Environmental precautions

Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Leave the product to solidify. Shovel into suitable and closed container for disposal.

#### 6.4. Reference to other sections

Wear personal protective clothing (see chapter 8).

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Precautions for safe handling : Do not drink, eat or smoke in the workplace. Always wash hands after handling the product. Take off immediately all contaminated clothing.

#### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in original container. Keep container tightly closed and in a well-ventilated place.  
Store at room temperature.  
Storage temperature : 5 - 30 °C  
Heat and ignition sources : Keep away from sources of ignition.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

##### Appropriate engineering controls:

No specific measures are required provided the product is handled in accordance with the general rules of occupational hygiene and safety.

##### Hand protection:

Wear suitable gloves resistant to chemical penetration (Dir. 89/686/CEE)

##### Eye protection:

Safety glasses

##### Skin and body protection:

Wear suitable protective clothing. or. Lab coat

##### Respiratory protection:

No special protection required

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- Physical state : Solid



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Appearance	: Tablets.
Colour	: white. Cream.
Odour	: slight.
Melting point	: 38 - 42 °C
Boiling point	: > 300 (Lit.)
Flash point	: 213 °C (Lit.)
Vapour pressure	: < 0,1 Pa (20°C)(calculated value) (Lit.)
Density	: ≈ 0,86 g/cm <sup>3</sup> (calculated value) (Lit.)
Solubility	: Insoluble.
Log Pow	: > 10 (calculated value) (Lit.)

### 9.2. Other information

Other properties : Not highly inflammable in contact with water, not pyrophoric (Lit.)

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Suitable packing materials. Paper bag. Cardboard box.

### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

Strong oxidizers.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Myristyl myristate (3234-85-3)	
LD50 oral	> 5000 mg/kg (mouse)
LD50 dermal rat	> 2000 mg/kg (Results obtained on a similar product) (Lit.)
LC50 inhalation rat (mg/l)	> 5,7 mg/l (Results obtained on a similar product) (Lit.)
Skin corrosion/irritation	: Not irritating
Serious eye damage/irritation	: Not irritating. (Lit.)
Respiratory or skin sensitisation	: Not sensitizing. (Results obtained on a similar product). (Lit.)
Germ cell mutagenicity	: Not mutagenic (AMES Test). (Lit.)
Carcinogenicity	: No data available
Reproductive toxicity	: Not classified
Additional information	: NOAEL development > 1000 mg/kg bw (rat) (similar substance) (Lit.)
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Myristyl myristate (3234-85-3)	
NOAEL (oral, rat, 90 days)	> 1000 mg/kg bodyweight/day (Results obtained on a similar product) (Lit.)
Aspiration hazard	: Not classified

## SECTION 12: Ecological information

### 12.1. Toxicity

Myristyl myristate (3234-85-3)	
LC50 fish 1	(96h) no toxicity up to the limit of solubility (Danio rerio) (Lit.)
EC50 Daphnia 1	(48h) no toxicity up to the limit of solubility (Daphnia Magna) (Lit.)
ErC50 (algae)	(72h) no toxicity up to the limit of solubility (Pseudokirchneriella subcapitata) (Lit.)
Activated sludge	EC50 > 1 000 mg/l (Results obtained on a similar product) (Lit.)



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### 12.2. Persistence and degradability

<b>Myristyl myristate (3234-85-3)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	67 % after 28 days (Lit.)

### 12.3. Bioaccumulative potential

<b>Myristyl myristate (3234-85-3)</b>	
Log Pow	> 10 (calculated value) (Lit.)

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

<b>Myristyl myristate (3234-85-3)</b>	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : External treatment and disposal of waste should comply with applicable local and/or national regulations.

Product/Packaging disposal recommendations : Dispose of waste cans and containers according to local regulations.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

No supplementary information available

### 14.6. Special precautions for user

#### Overland transport

No data available

#### Transport by sea

No data available

#### Air transport

No data available

#### Inland waterway transport

No data available

#### Rail transport

No data available

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable



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### SECTION 15: Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### 15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Myristyl myristate is not on the REACH Candidate List

##### 15.1.2. National regulations

No additional information available

#### 15.2. Chemical safety assessment

A chemical safety assessment has been carried out

As the criteria for classification listed in article 14 of REACH and the criteria for PBT/vPvB are not met, no exposure scenarios are required.

### SECTION 16: Other information

Other information : None.

Stéphanie Dubois

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