

Safety Data Sheet

G0167

Version: 2.0

according to Regulation (EU) 2015/830

Date of issue: 29/02/2012 Revision date 10/04/2018

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

#### 1.1. Product identifier

Product form : Substance
Trade name : Griseofulvin

IUPAC name : (1'S,3-6'R)-7-Chloro-2',4,6-trimethoxy-6'-methylspiro[benzofuran-

2(3H),1'[2]cyclohexene]-3,4'-dione

EC-No. : 204-767-4
CAS-No. : 126-07-8
Product code : G0167
Formula : C17H17ClO6
Synonyms : Fulvicin
Product group : Raw material

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

#### 1.2.1. Relevant identified uses

Main use category : Professional use

Industrial/Professional use spec : For professional use only. Duchefa Biochemie B.V. products are intended

only for "in vitro laboratory" research purposes.

#### 1.2.2. Uses advised against

No additional information available

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

#### **Supplier**

Duchefa Biochemie B.V.
A. Hofmanweg 71
2031 BH Haarlem - The Netherlands
T +31(0)23-5319093 - F +31(0)23-5318027
info@duchefa.nl

#### 1.4. Emergency telephone number

Emergency number : Supplier contact information:

+31(0)23-5319093 (M-F 09:00-17:00) +31(0)6-30109355 (outside office hours)

Organisation/Company	Address	Comment
World Health Organization world	http://apps.who.int/poisoncentres/	Consult website for a local poison centre
directory of poison centres		

#### **SECTION 2: Hazards identification**

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

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

Skin sensitisation, Category 1 H317
Carcinogenicity, Category 2 H351
Reproductive toxicity, Category 1B H360

Full text of H statements: see section 16

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#### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

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

Hazard pictograms (CLP) :





GHS07

GHS08

Signal word (CLP) : Danger

Hazard statements (CLP) : H317 - May cause an allergic skin reaction.

H351 - Suspected of causing cancer.

H360 - May damage fertility or the unborn child.

Precautionary statements (CLP) : P202 - Do not handle until all safety precautions have been read and

understood.

P281 - Use personal protective equipment as required.

P308+P313 - IF exposed or concerned: Get medical advice/attention. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

#### 2.3. Other hazards

No additional information available

# SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Name	Product identifier	%
Griseofulvin	(CAS-No.) 126-07-8	> 97
	(EC-No.) 204-767-4	

Full text of H-statements: see section 16

#### 3.2. Mixtures

Not applicable

#### **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

First-aid measures after inhalation : Remove victim to fresh air

Seek medical advice.

First-aid measures after skin contact : Rinse with plenty of water

Seek medical advice.

First-aid measures after eye contact : Rinse immediately with plenty of water

Seek medical advice.

First-aid measures after ingestion : Rinse mouth.

Seek medical advice.

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

Symptoms/effects : Ingestion may cause nausea, vomiting and diarrhea. Exposure may produce

an allergic reaction. Blurred vision. Fever. Gastrointestinal complaints.

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Chronic symptoms : Based on animal experimentation, it is proved that product has shown

teratogenic effects.

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

No additional information available

## **SECTION 5: Firefighting measures**

#### **Extinguishing media** 5.1.

Suitable extinguishing media : Alcohol resistant foam.

> Dry chemical powder. Carbon dioxide (CO2).

Water spray.

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

**Explosion hazard** : Product is not explosive.

case of fire

Hazardous decomposition products in : When heated to decomposition, emits toxic fumes:

- COx

Chlorine.

#### 5.3. Advice for firefighters

Firefighting instructions : Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including

respiratory protection.

## **SECTION 6: Accidental release measures**

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

#### 6.1.1. For non-emergency personnel

**Emergency procedures** : Ensure adequate air ventilation. Avoid raising dust.

6.1.2. For emergency responders

Protective equipment : Wear proper protective equipment.

#### **Environmental precautions**

Prevent product from entering drains.

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

Methods for cleaning up : Sweep up dry powder and dispose properly.

#### 6.4. Reference to other sections

No additional information available

# **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

Precautions for safe handling : Handle in accordance with good industrial hygiene and safety procedures.

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

Storage conditions : Store in dry, well-ventilated area

> Keep container tightly closed. Store at room temperature.

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

For professional use only. Duchefa Biochemie B.V. products are intended only for "in vitro laboratory" research purposes.

# SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

No additional information available

#### 8.2. Exposure controls

#### Hand protection:

Туре	Material	Permeation	Thickness (mm)	Standard
Gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0,11	EN 374

#### Eye protection:

Safety glasses (to European standard EN 166 or equivalent)

#### Skin and body protection:

Protective clothing (with elasticated cuffs and closed neck). Chemical resistant apron

#### Respiratory protection:

Wear appropriate mask. Filter type P3 (EN 143)

## **SECTION 9: Physical and chemical properties**

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

Physical state : Solid

Appearance : Crystalline powder.

Molecular mass : 352,8 g/mol Colour : White

Slightly yellow.

Odour : Odourless.

Odour threshold : No data available pH : No data available Relative evaporation rate (butylacetate=1) : No data available

Melting point : 216 - 220 °C Freezing point : No data available **Boiling point** : No data available Flash point : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available Flammability (solid, gas) : No data available : No data available Vapour pressure Relative vapour density at 20 °C : No data available Relative density : No data available Solubility : Soluble in ethanol.

Log Pow : 2,18

Viscosity, kinematic : No data available

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Viscosity, dynamic : No data available Explosive properties : No data available Oxidising properties : No data available Explosive limits : No data available

#### 9.2. Other information

No additional information available

# **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

No additional information available

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

None under normal conditions.

#### 10.4. Conditions to avoid

High temperature

Moisture.

#### 10.5. Incompatible materials

Strong oxidizers.

#### 10.6. Hazardous decomposition products

Carbon dioxide

Carbon monoxide

Aspiration hazard

Chlorine.

# **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Acute toxicity	. Not classified
Griseofulvin (126-07-8)	
LD50 oral rat	> 10000 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: International Agency for Research on Cancer (IARC) : Group 2B: Possibly carcinogenic to humans
Reproductive toxicity	: May damage fertility or the unborn child.
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

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: Not classified

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# **SECTION 12: Ecological information**

## 12.1. Toxicity

No additional information available

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

Griseofulvin (126-07-8)	
Log Pow	2,18

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

No additional information available

#### 12.6. Other adverse effects

No additional information available

# SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste treatment methods : Avoid release to the environment.

Product/Packaging disposal : Dispose in a safe manner in accordance with local/national regulations.

recommendations

# **SECTION 14: Transport information**

In accordance with ADR / IATA / IMDG

ADR	IMDG	IATA	
14.1. UN number			
Not applicable	Not applicable	Not applicable	
14.2. UN proper shipping name			
Not applicable	Not applicable	Not applicable	
Not applicable	Not applicable	Not applicable	
14.3. Transport hazard class(es)			
Not applicable	Not applicable	Not applicable	
Not applicable	Not applicable	Not applicable	
14.4. Packing group			
Not applicable	Not applicable	Not applicable	
14.5. Environmental hazards			
Not applicable	Not applicable	Not applicable	
No supplementary information available			

#### 14.6. Special precautions for user

#### Overland transport

Not applicable

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#### - Transport by sea

Not applicable

#### - Air transport

Not applicable

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

Not applicable

# **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
Griseofulvin is not on the REACH Candidate List
Griseofulvin is not on the REACH Annex XIV List

#### 15.1.2. National regulations

#### Germany

12th Ordinance Implementing the Federal Immission Control Act - : Is not subject of the 12. BlmSchV (Hazardous Incident Ordinance)

#### **Netherlands**

Vruchtbaarheid

SZW-lijst van kankerverwekkende stoffen : The substance is not listed SZW-lijst van mutagene stoffen : The substance is not listed NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : The substance is not listed NIET-limitatieve lijst van voor de voortplanting giftige stoffen – : The substance is not listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : The substance is not listed

## Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product

Pregnant/breastfeeding women working with the product must not be in direct contact with the product

The requirements from the Danish

Working Environment Authorities regarding work with carcinogens must be followed during use and disposal

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

#### **SECTION 16: Other information**

#### Indication of changes:

1.4	Emergency telephone	Modified	Added additional information
2	Classification (DSD/DPD)	Removed	Obsolete
8.2	Hand protection	Modified	Specified material, thickness, et cetera of gloves

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#### Abbreviations and acronyms:

ADN European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  ADR European Agreement concerning the International Carriage of Dangerous Goods by Road  BCF Bioconcentration factor  CLP Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008  EC50 Median effective concentration  IARC International Agency for Research on Cancer  IATA International Air Transport Association  IMDG International Maritime Dangerous Goods  LC50 Median lethal concentration  LD50 Median lethal concentration  LD50 Median lethal dose  LOAEL Lowest Observed Adverse Effect Level  NOAEC No-Observed Adverse Effect Concentration  NOAEL No-Observed Adverse Effect Level  NOEC No-Observed Effect Concentration  OECD Organisation for Economic Co-operation and Development  PBT Persistent Bioaccumulative Toxic  REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  RID Regulations concerning the International Carriage of Dangerous Goods by Rail  SDS Safety Data Sheet				
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	SDS	Safety Data Sheet		

Data sources

: REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

#### Full text of H- and EUH-statements:

Carc. 2	Carcinogenicity, Category 2
Repr. 1B	Reproductive toxicity, Category 1B
Skin Sens. 1	Skin sensitisation, Category 1
H317	May cause an allergic skin reaction.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.

#### SDS Biochemicals version 2018

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

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