

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 24.09.2018

version: 2

Revision: 24.09.2018

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

## 1.1 Product identifier

Trade name: **Nuciferine**

Article number: 83282

CAS Number:

475-83-2

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

No further relevant information available.

Application of the substance / the preparation: Reference substance

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

Manufacturer/Supplier:

PhytoLab GmbH &amp; Co.KG

Dutendorfer Str. 5-7

D- 91487 Vestenbergsgreuth

Tel.: Germany/9163/88-327

Fax:Germany/9163/88-456

Mail: ref-substances@phytolab.de

Further information obtainable from:

+49 9163/ 88 586

birgit.nuesslein@phytolab.de

1.4 Emergency telephone number: Germany/9163/88- 500

**SECTION 2: Hazards identification**

## 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008



GHS06 skull and crossbones

Acute Tox. 3 H301 Toxic if swallowed.

## 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

Hazard pictograms



GHS06

Signal word Danger

Hazard statements

H301 Toxic if swallowed.

Precautionary statements

P264 Wash thoroughly hands after handling.

P270 Do not eat, drink or smoke when using this product.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P330 Rinse mouth.

(Contd. on page 2)

GB

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 24.09.2018

version: 2

Revision: 24.09.2018

Trade name: **Nuciferine**

(Contd. of page 1)

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**2.3 Other hazards**

Restricted to professional users. The toxicological properties of this compound have not been fully evaluated.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

**SECTION 3: Composition/information on ingredients****3.1 Chemical characterisation: Substances**

CAS No. Description

475-83-2 Nuciferine

Identification number(s) not applicable

Additional information: chemical product

**SECTION 4: First aid measures****4.1 Description of first aid measures**

General information:

Induce vomiting only with medical help.

Immediately remove any clothing soiled by the product.

After inhalation: Supply fresh air and to be sure call for a doctor.

After skin contact:

Immediately rinse with water.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire extinguishing methods suitable to surrounding conditions.

**5.2 Special hazards arising from the substance or mixture**

No further relevant information available.

(Contd. on page 3)

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 24.09.2018

version: 2

Revision: 24.09.2018

Trade name: **Nuciferine**

(Contd. of page 2)

5.3 Advice for firefighters  
Protective equipment:  
Mount respiratory protective device.  
Wear fully protective suit.

**SECTION 6: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures

Avoid formation of dust.

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

6.4 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.

**SECTION 7: Handling and storage**

7.1 Precautions for safe handling:

Handling corresponding to laboratory safety guidelines.

Prevent formation of dust.

Keep receptacles tightly sealed.

Open and handle receptacle with care.

Ensure good ventilation/exhaustion at the workplace.

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

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.

Store only in the original receptacle.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Store in the dark.

Store in cool, dry conditions in well sealed receptacles.

Recommended storage temperature: 15-25 °C

7.3 Specific end use(s): No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

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

8.1 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.

(Contd. on page 4)

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 24.09.2018

version: 2

Revision: 24.09.2018

Trade name: **Nuciferine**

(Contd. of page 3)

**8.2 Exposure controls**

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Store protective clothing separately.

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.

Do not eat, drink, smoke or sniff while working.

Respiratory protection:

Required in case of dust formation.

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:



Nitrile rubber, NBR

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

Body protection: Protective work clothing

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

General Information

Appearance:

Form:	Powder
Colour:	no data available
Odour:	No data available.

Change in condition

Melting point/freezing point:	165.5 °C
Initial boiling point and boiling range:	Undetermined.

(Contd. on page 5)

GB

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 24.09.2018

version: 2

Revision: 24.09.2018

Trade name: **Nuciferine**

(Contd. of page 4)

Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Explosive properties:	Product does not present an explosion hazard.
Density at 20 °C:	1.15 g/cm <sup>3</sup>
Solubility in / Miscibility with water:	No data available.
9.2 Other information	No further relevant information available.

**SECTION 10: Stability and reactivity**

- 10.1 Reactivity: No further relevant information available.  
10.2 Chemical stability  
Thermal decomposition / conditions to be avoided:  
Stable under constant-temperature (see 7.)  
10.3 Possibility of hazardous reactions: No data available.  
10.4 Conditions to avoid: No further relevant information available.  
10.5 Incompatible materials: Strong oxidising agents.  
10.6 Hazardous decomposition products: no data available

**SECTION 11: Toxicological information:**

- 11.1 Information on toxicological effects:  
Acute toxicity:  
Toxic if swallowed.  
LD/LC50 values relevant for classification:  
Oral LD50 240 mg/kg (mouse)  
280 mg/kg (rat)  
Primary irritant effect:  
Skin corrosion/irritation Based on available data, the classification criteria are not met.  
Serious eye damage/irritation  
Based on available data, the classification criteria are not met.  
Respiratory or skin sensitisation  
Based on available data, the classification criteria are not met.  
Additional toxicological information:  
The product should be handled with the care usual when dealing with chemicals.  
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):  
Germ cell mutagenicity Based on available data, the classification criteria are not met.  
Carcinogenicity Based on available data, the classification criteria are not met.  
Reproductive toxicity Based on available data, the classification criteria are not met.  
STOT-single exposure Based on available data, the classification criteria are not met.  
STOT-repeated exposure Based on available data, the classification criteria are not met.  
Aspiration hazard Based on available data, the classification criteria are not met.

GB

(Contd. on page 6)

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 24.09.2018

version: 2

Revision: 24.09.2018

Trade name: **Nuciferine**

(Contd. of page 5)

**SECTION 12: Ecological information:**

## 12.1 Toxicity:

## Aquatic toxicity:

Quantitative data concerning the ecological properties of the product are not available.

12.2 Persistence and degradability: No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

## Ecotoxicological effects:

Remark: Do not release into sewage, water or soil.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6 Other adverse effects No further relevant information available.

**SECTION 13: Disposal considerations**

## 13.1 Waste treatment methods

## Recommendation

Dispose product and packaging in accordance with regional environmental laws.

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.

**SECTION 14: Transport information**

## 14.1 UN-Number

ADR, IMDG, IATA

UN1544

## 14.2 UN proper shipping name

ADR

1544 ALKALOIDE, FEST, N.A.G. (Nuciferin)

IMDG, IATA

ALKALOIDS, SOLID, N.O.S. (Nuciferine)

## 14.3 Transport hazard class(es)

ADR, IMDG, IATA



## Class

6.1 Toxic substances.

## Label

6.1

## 14.4 Packing group

ADR, IMDG, IATA

III

## 14.5 Environmental hazards:

Not applicable.

## 14.6 Special precautions for user

Warning: Toxic substances.

Danger code (Kemler):

60

EMS Number:

F-A,S-A

Stowage Category

A

(Contd. on page 7)

**Safety data sheet**

according to 1907/2006/EC, Article 31

Printing date 24.09.2018

version: 2

Revision: 24.09.2018

Trade name: **Nuciferine**

(Contd. of page 6)

14.7 Transport in bulk according to Annex II  
of Marpol and the IBC Code Not applicable.

Transport/Additional information:

**ADR**

Limited quantities (LQ) 5 kg

Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging:  
30 gMaximum net quantity per outer packaging:  
1000 g

Transport category 2

Tunnel restriction code E

**IMDG**

Limited quantities (LQ) 5 kg

Excepted quantities (EQ) Code: E1

Maximum net quantity per inner packaging:  
30 gMaximum net quantity per outer packaging:  
1000 g

UN "Model Regulation":

UN 1544 ALKALOIDS, SOLID, N.O.S.  
(NUCIFERINE), 6.1, III**SECTION 15: Regulatory information**

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

National regulations:

Information about limitation of use:

When using chemicals, legal regulations have to be regarded (chemical law, maternity  
protection, protection of minors).

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a  
guarantee for any specific product features and shall not establish a legally valid  
contractual relationship.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer  
(Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement  
concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

(Contd. on page 8)

GB



## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.09.2018

version: 2

Revision: 24.09.2018

Trade name: **Nuciferine**

LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 3: Acute toxicity – Category 3

(Contd. of page 7)

GB