



Safety data sheet

according to Regulation (EC) No. 1907/2006

Printing date 10.09.2013

Version number 1

Revision: 10.09.2013

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

1.1 Product identifier

Trade name: NARCICLASIN ROTICHROM® HPLC**Article number:** 6689**CAS Number:**

29477-83-6

Registration number

A registration number is not available for this substance as the substance or its use are exempted from registration according to Article 2 REACH Regulation (EC) No 1907/2006, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

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

Laboratory chemical

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Carl Roth GmbH + Co. KG

Schoemperlenstraße 3-5

76185 Karlsruhe

Germany

Telefon: +49/(0)721 5606-0

Telefax: +49/(0)721 5606-149

E-Mail: sicherheit@carlroth.de

Further information obtainable from: Department Health, Safety and Environment

1.4 Emergency telephone number:

Poison Centre Munich

Telefon +49/(0)89 19240

2 Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Muta. 1B H340 May cause genetic defects.

Acute Tox. 4 H302 Harmful if swallowed.

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

T; Toxic

Muta. Cat. 2

R46: May cause heritable genetic damage.

Xn; Harmful

R22: Harmful if swallowed.

Additional information: Note, not yet fully tested.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

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Hazard pictograms

GHS07

GHS08

Signal word Danger**Hazard statements**

H302 Harmful if swallowed.

H340 May cause genetic defects.

Precautionary statements

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

P308+P313 IF exposed or concerned: Get medical advice/attention.

Additional information:

Restricted to professional users.

2.3 Other hazards

All chemicals are potentially dangerous. They are therefore only be handled by specially trained personnel with the necessary care.

Results of PBT and vPvB assessment**PBT:** Not applicable.**vPvB:** Not applicable.

3 Composition/information on ingredients

3.1 Chemical characterization: Substances**CAS No. Description**

29477-83-6 Narciclasin

Identification number(s)**Formula:** C₁₄H₁₃NO₇**Molar mass [g/mol]:** 307,26

4 First aid measures

**4.1 Description of first aid measures****General information:** Symptoms may be delayed.**After inhalation:**

After inhalation of dusts:

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

After skin contact:

Rinse with water

If there is any trouble seek medical help.

After eye contact:

To be sure rinse opened eye under running water. If there is any trouble seek medical help.

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After swallowing:

Rinse out mouth and then drink water.

Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

Irritations

Dermatitis

Nausea

Vomiting

diarrhoea

Shock

CNS-disorders

Hazards Danger of disturbed cardiac rhythm.**4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Firefighting measures**5.1 Extinguishing media****Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

CO₂, powder, foam or water spray.**5.2 Special hazards arising from the substance or mixture**

In the event of fire development of hazardous combustion gases or vapours possible.

In case of fire, the following can be released:Nitrogen oxides (NO_x)

Carbon monoxide and carbon dioxide

5.3 Advice for firefighters**Protective equipment:**

Wear self-contained respiratory protective device.

In order to avoid contact with skin, keep a safety distance and wear suitable protective clothing.

6 Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Do not breathe dust.

Avoid contact with the eyes and skin.

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 of the material collected according to regulations.

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.

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7 Handling and storage

7.1 Precautions for safe handling

Provide suction extractors if dust is formed.

Keep containers, equipment and working place clean.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Information about storage in one common storage facility:

Store away from foodstuffs.

Further information about storage conditions:

Keep container tightly sealed.

Store in dry conditions.

Protect from exposure to the light.

Recommended storage temperature: +4 °C

7.3 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.

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.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

Do not eat, drink or smoke while working.

Do not breathe dust.

Avoid contact with the eyes and skin.

Wash hands before breaks and at the end of work.

Individual protection measures

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Respiratory protection:



Required when dusts are generated: filter P2.

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Protection of hands:**Protective gloves**

Check protective gloves prior to each use for their proper condition.

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

Material of glovesNitrile, thickness: ≥ 0.11 mm

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 materialValue for the permeation: Level ≥ 6

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

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties**General Information****Appearance:**

Form:	Crystalline powder
Colour:	Colourless
Odour:	Odourless
Odour threshold:	No information available.

pH-value:	No information available.
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Change in condition

Melting point/Melting range:	230-235 °C
Boiling point/Boiling range:	No information available.

Flash point:	397 °C
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Flammability (solid, gaseous):	No information available
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Ignition temperature:	No information available
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Decomposition temperature:	No information available
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Self-igniting:	No information available
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Danger of explosion:	The product is not explosive. However, dust may form an explosive mixture with air.
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Explosion limits:	
Lower:	No information available.
Upper:	No information available.
Oxidizing properties:	No information available.
Vapour pressure:	No information available
Density at 20 °C:	1.85 g/cm ³
Relative density	No Information available.
Vapour density	No information available
Evaporation rate	No information available
Solubility in / Miscibility with water:	Not easily soluble.
Partition coefficient (n-octanol/water):	-1.06 log POW
Viscosity:	
Dynamic:	No information available.
Kinematic:	No information available.
9.2 Other information	No further relevant information available.

10 Stability and reactivity

10.1 Reactivity

See section 10.3

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions

Reacts with oxidizing agents.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials:

No information available.

10.6 Hazardous decomposition products:

In case of fire: see item 5.

11 Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

Quantitative data on the toxicity of this product are not available.

Primary irritant effect:

on the skin:

Repeated skin contact may cause dermatitis.

on the eye:

Intense exposure may cause irritative symptoms.

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after inhalation:

Intensive contact with dusts may lead to irritations of the eyes and the respiratory tract.

Sensitization:

No sensitizing effects known.

CMR effects:

Muta. 1B

Germ cell mutagenicity:

May cause genetic defects.

Carcinogenicity:

No information available.

Reproductive toxicity:

No information available.

Aspiration hazard:

No aspiration toxicity classification.

Specific target organ toxicity - single exposure

The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity - repeated exposure

The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Additional toxicological information:

Nausea

Vomiting

Diarrhoea

Shock

CNS-disorders

Liver damage

Many alkaloids have next to their central nervous system and local irritant effects, a highly toxic effect on the heart. Symptoms may occur after latency.

Further information:

To the best of our knowledge, the toxicological properties have not been thoroughly investigated. Further hazardous properties cannot be excluded.

This substance should be handled with particular care.

12 Ecological information

12.1 Toxicity**Aquatic toxicity:**

Quantitative data on the ecological effect of this product are not available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulative potential

Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected (log POW ≤ 4).

12.4 Mobility in soil

No further relevant information available.

Ecotoxicological effects:**Remark:**

Do not allow to enter waters, waste water, or soil!

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.

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vPvB: Not applicable.**12.6 Other adverse effects**

No further relevant information available.

13 Disposal considerations**Waste treatment methods****Recommendation**

This material and its container must be disposed of as hazardous waste.

The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.

Uncleaned packaging:**Recommendation:**

Disposal according to official regulations.

14 Transport information**14.1 UN-Number**

ADR, IMDG, IATA

UN1544

14.2 UN proper shipping nameADR
IMDG, IATA1544 ALKALOIDS, SOLID, N.O.S. (Narciclasin)
ALKALOIDS, SOLID, N.O.S. (Narciclasin)**14.3 Transport hazard class(es)**ADR
Class

6.1 Toxic substances.

IMDG, IATA

Class
Label6.1 Toxic substances.
6.1**14.4 Packing group**

ADR, IMDG, IATA

II

14.5 Environmental hazards:**Marine pollutant:**

No

14.6 Special precautions for user**Danger code (Kemler):**

Warning: Toxic substances.

EMS Number:

60

F-A,S-A

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

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Transport/Additional information:**ADR****Limited quantities (LQ)**

500 g

Transport category

2

Tunnel restriction code

D/E

UN "Model Regulation":UN1544, ALKALOIDS, SOLID, N.O.S. (Narciclasin),
6.1, II

15 Regulatory information

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

National regulations:**Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

Waterhazard class: Water hazard class 3 (Self-assessment): extremely hazardous for water.

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

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.

Department issuing MSDS: Department: Health, Safety and Environment**Contact:** Frau Weckemann**Abbreviations and acronyms:**

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 Harmonized System of Classification and Labelling of Chemicals

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

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

LD50*: Lethal Dose, 50 percent (Not relevant for classification)

LD50*: Lethal Concentration, 50 percent (Not relevant for classification)

*** Data compared to the previous version altered.**