

1759900

Revision: 20.11.2015
Printing date: 07.07.2016

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

- Product identifier
- Trade name:
((R)-4-Hydroxy-4-methyl-Orn(TRITC)⁺)-Phalloidin
- Article number:
new: 4095645 old: H-7628
- Relevant identified uses of the substance or mixture and uses advised against
- Application of the substance / the preparation
Laboratory chemicals
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
Bachem AG
Hauptstrasse 144
CH-4416 Bubendorf
Switzerland
E-mail msds@bachem.com
Tel +41 58 595 2021
Fax +41 58 595 2040
- Further information obtainable from:
Department: Marketing
- Emergency telephone number:
+41 44 251 51 51 (Tox Info Suisse)

02 Hazards identification

- Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



GHS06

Acute Tox. 2 - H300 Fatal if swallowed.
Acute Tox. 2 - H310 Fatal in contact with skin.
Acute Tox. 2 - H330 Fatal if inhaled.

- Label elements
- Labelling according to Regulation (EC) No 1272/2008



GHS06

- Signal word
Danger
- Hazard statements
H300+H310+H330 Fatal if swallowed, in contact with skin or if inhaled.
- Precautionary statements
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P262 Do not get in eyes, on skin, or on clothing.
P264 Wash thoroughly after handling.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.
- Other hazards
- Results of PBT and vPvB assessment
- PBT:
Not applicable.

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- vPvB:
Not applicable.

03 Composition/information on ingredients

- Chemical characterization: Substances

CAS No.	Description
	((R)-4-Hydroxy-4-methyl-Orn(TRITC) ⁷)-Phalloidin

- Identification number(s)
- EC number:
-
- RTECS Number:
-

04 First aid measures

- Description of first aid measures
- General information:
Immediately remove any clothing soiled by the product.
Remove breathing equipment only after contaminated clothing have been completely removed.
In case of irregular breathing or respiratory arrest provide artificial respiration.
- After inhalation:
Supply fresh air or oxygen; call for doctor.
In case of unconsciousness place patient stably in side position for transportation.
- After skin contact:
Immediately wash with water and soap and rinse thoroughly.
Seek immediate medical advice.
- After eye contact:
Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing:
Do not induce vomiting; call for medical help immediately.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed
No further relevant information available.
- Indication of any immediate medical attention and special treatment needed
No further relevant information available.

05 Firefighting measures

- Extinguishing media
- Suitable extinguishing agents:
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Special hazards arising from the substance or mixture
No further relevant information available.
- Advice for firefighters
- Protective equipment:
Mouth respiratory protective device.

06 Accidental release measures

- Personal precautions, protective equipment and emergency procedures
Avoid formation of dust.
Use respiratory protective device against the effects of fumes/dust/ aerosol.
Wear protective clothing.
- Environmental precautions:
Suppress gases/fumes/haze with water spray.
Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
Dispose contaminated material as waste according to item 13.

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- Reference to other sections

07 Handling and storage

- Handling:
 - Precautions for safe handling
 - Thorough dedusting.
 - Ensure good ventilation/exhaustion at the workplace.
 - Open and handle receptacle with care.
 - Prevent formation of dust.
 - Information about fire - and explosion protection:
 - Keep respiratory protective device available.
- Conditions for safe storage, including any incompatibilities
- Storage:
 - Requirements to be met by storerooms and receptacles:
 - No special requirements.
 - 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.
 - Recommended storage temperature:
 - < -15 °C
- Specific end use(s)
 - No further relevant information available.

08 Exposure controls/personal protection

- Control parameters
- Ingredients with limit values that require monitoring at the workplace:

CAS No.	Designation of material
	Not required.
- Additional information:
 - The lists valid during the making were used as basis.
- Exposure controls
- Personal protective equipment:
 - General protective and hygienic measures:
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Store protective clothing separately.
 - Avoid contact with the eyes and skin.
 - Respiratory protection:
 - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
 - Protection of hands:
 - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
 - Protective gloves
 - Material of gloves
 - 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:
 - Safety glasses

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09 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Lyophilisate
Colour:	purple
Odour:	Nearly odourless
Odour threshold:	Not determined.
pH-value:	Not determined.

Change in condition

Boiling point/Boiling range: Undetermined.

Flash point: Not applicable.

Flammability (solid, gaseous): Not applicable.

Ignition temperature:

Decomposition temperature: Not determined.

Self-igniting: Not determined.

Danger of explosion: Not determined.

Explosion limits:

Lower: Not determined.

Upper: Not determined.

Vapour pressure: Not determined.

Density: Not determined.

Solubility in / Miscibility with

water: Not determined.

Viscosity:

Dynamic: Not determined.

Kinematic: Not determined.

Other information

No further relevant information available.

10 Stability and reactivity

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- Possibility of hazardous reactions
No dangerous reactions known.
- Conditions to avoid
No further relevant information available.
- Incompatible materials:
No further relevant information available.
- Hazardous decomposition products:
No dangerous decomposition products known.

11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
No further relevant information available.
- Primary irritant effect:
- on the skin:
No further relevant information available.
- on the eye:
No further relevant information available.

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- Sensitization:
No sensitising effects known.

12 Ecological information

- Toxicity
- Aquatic toxicity:
No further relevant information available.
- Persistence and degradability
No further relevant information available.
- Behaviour in environmental systems:
- Bioaccumulative potential
No further relevant information available.
- Mobility in soil
No further relevant information available.
- Additional ecological information:
- General notes:
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment
- PBT:
Not applicable.
- vPvB:
Not applicable.
- Other adverse effects
No further relevant information available.

13 Disposal considerations

- Waste treatment methods
- Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- Waste disposal key:
18 02 05
- Uncleaned packaging:
- Recommendation:
Disposal must be made according to official regulations.

14 Transport information

- UN-Number
ADR UN2811
IMDG UN2811
IATA UN2811
- UN proper shipping name
ADR 2811 TOXIC SOLID, ORGANIC, N.O.S. (((R)-4-Hydroxy-4-methyl-Orn(TRITC)⁷)-Phalloidin)
IMDG TOXIC SOLID, ORGANIC, N.O.S. (((R)-4-Hydroxy-4-methyl-Orn(TRITC)⁷)-Phalloidin)
IATA TOXIC SOLID, ORGANIC, N.O.S. (((R)-4-Hydroxy-4-methyl-Orn(TRITC)⁷)-Phalloidin)
- Transport hazard class(es)
ADR
Class 6.1 (T2) Toxic substances.

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Safety data sheet according to 1907/2006/EC, Article 31

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Label

6.1


IMDG
Class

6.1 Toxic substances.

Label

6.1


IATA
Class

6.1 Toxic substances.

Label

6.1



- Packing group

ADR

II

IMDG

II

IATA

II

- Environmental hazards:
Not applicable.
- Special precautions for user
Warning: Toxic substances.

Danger code (Kemler):

60

EMS Number:

F-A,S-A

- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

- Transport/Additional information:
Not applicable.

Excepted quantities (EQ):

E4

Limited quantities (LQ)

500 g

Transport category

2

Tunnel restriction code

D/E

- UN "Model Regulation":
UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (((R)-4-HYDROXY-4-METHYL-ORN(TRITC)□)-PHALLOIDIN), 6.1, II

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- National regulations:
- Waterhazard class:
Water hazard class 1 (Self-assessment): slightly hazardous for water.
- Chemical safety assessment:
A Chemical Safety Assessment has not been carried out.

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Safety data sheet
according to 1907/2006/EC, Article 31

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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: Marketing
- 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)
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
RTECS: Registry of Toxic Effects of Chemical Substances
WGK: Wassergefährdungsklasse
vPvB: very Persistent and very Bioaccumulative