

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006
GENERIC EU MSDS - NO COUNTRY SPECIFIC DATA - NO OEL DATA

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

1.1 Product identifiers

Product Number: B0029
Product name: 2'-(4-Hydroxyphenyl)-5-(4-methyl-1-piper, Hoechst 33258
Synonym(s): 2'-(4-Hydroxyphenyl)-5-(4-methyl-1-piperaziny)-2,5'-bi(1H-benzimidazole) trihydrochloride, 2-[2-(4-Hydroxyphenyl)-6-benzimidazolyl]-6-(1-methyl-4-piperazyl)benzimidazole trihydrochloride, BBIH, BXI-72, HOE 33258, Hoechst 33258, NSC334072
CAS Registry Nr: 23491-45-4
REACH No.: A registration number is not available for this substance as the substance or its uses are exempted from registration, 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

Identified uses:

Laboratory chemicals, Manufacture of substances. For research use only. Not intended for human or animal diagnostic or therapeutic uses.

1.3 Details of the supplier of the safety data sheet Company

Chemodex AG
Lindenstrasse 77
CH - 9000 St. Gallen
Switzerland, Europe
Tel: +41 71 244 48 25
Fax: +41 71 244 48 26
eMail: info@chemodex.com

1.4 Emergency telephone number

0041 44 251 5151 (Tox Zentrum, CH)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Acute toxicity, Oral (Category 4), H302
Skin irritation (Category 2), H315
Eye irritation (Category 2), H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

Version 1.0

Revision Date 28.03.2013

Print Date 20.03.2014


Page 1/8

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Xn Harmful R22, R36/38

For the full text of the R-phrases mentioned in this Section, see Section 16.

2.2 Label elements
Labelling according Regulation (EC) No. 1272/208

 Pictogram 

Signal word Warning

Hazard statement (s)

 H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.

Precautionary statement (s)

 P305 + P351 + P338 If in eyes: rinse cautiously with water for several minutes.
 Remove contact lenses, if present and easy to do. Continue rinsing.

Supplemental Hazard Statements none

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients
3.1 Substances

Product name: Natural product
Synonyms 2'-(4-Hydroxyphenyl)-5-(4-methyl-1-piperazinyl)-2,5'-bi(1H-benzimidazole) trihydrochloride, 2-[2-(4-Hydroxyphenyl)-6-benzimidazolyl]-6-(1-methyl-4-piperazyl)benzimidazole trihydrochloride, BBIH, BXI-72, HOE 33258, Hoechst 33258, NSC334072
Mol. Formula C₂₅H₂₄N₆O . 3HCl
Mol Weight 533.888 g/mol
CAS Registry Nr.: 23491-54-4
EC-No. 245-690-6

Hazardous ingredients according to Regulation (EC) No. 1272/2008

Component	Classification	Concentration
p-[5-(4-Methyl-1-piperazinyl)[2,5'-bi-1H-benzimidazol]-2'-yl]phenol trihydrochloride		
CAS-No. 23491-45-4 EC-No. 245-690-6	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2; H302, H315, H319	<= 100 %

Version 1.0

Revision Date 28.03.2013

Print Date 20.03.2014

Page 2/8

Hazardous ingredients according to Directive 1999/45/EC

Component	Classification	Concentration
p-[5-(4-Methyl-1-piperaziny)[2,5'-bi-1H-benzimidazol]-2'-yl]phenol trihydrochloride		
CAS-No. 23491-45-4 EC-No. 245-690-6	Xn, R22- R36/38	<= 100 %

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

No data available

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas.
For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep container tightly closed in a dry and well-ventilated place.

Recommended storage temperature: 2 - 8 °C

7.3 Specific end use(s)

A part from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls: General industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Version 1.0

Revision Date 28.03.2013

Print Date 20.03.2014

Page 4/8

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

a) Appearance:	Form: solid	Colour: yellow
b) Odour:	No data available	
c) Odour Threshold:	No data available	
d) pH:	No data available	
e) Melting point/freezing point:		
Melting point/range:	No data available	
f) Initial boiling point and boiling range:	No data available	
g) Flash point:	No data available	
h) Evaporation rate:	No data available	
i) Flammability (solid, gas):	No data available	
j) Upper/lower flammability or explosive limits:	No data available	
k) Vapour pressure:	No data available	
l) Vapour density:	No data available	
m) Relative density:	No data available	
n) Water solubility:	No data available	
o) Partition coefficient (n-octanol/water):	No data available	
p) Auto-ignition temperature:	No data available	
q) Decomposition temperature:	No data available	
r) Viscosity:	No data available	
s) Explosive properties:	No data available	
t) Oxidizing properties:	No data available	

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

Version 1.0

Revision Date 28.03.2013

Print Date 20.03.2014

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products-No data available
In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity: LD50 Intravenous - rat - 32,2 mg/kg
Remarks: Behavioral: Somnolence (general depressed activity). Lungs, Thorax, or Respiration: Dyspnea. Skin and Appendages: Other: Hair.

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: No data available

Respiratory or skin sensitisation: No data available

Germ cell mutagenicity: No data available

Carcinogenicity

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity: No data available

Specific target organ toxicity-single exposure: No data available

Specific target organ toxicity-repeated exposure: No data available

Aspiration hazard: No data available

Additional Information

RTECS: SM1140500

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Liver - Irregularities - Based on Human Evidence

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

Version 1.0

Revision Date 28.03.2013

Print Date 20.03.2014

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

14.1 UN number

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID : no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

No data available

SECTION 15: Regulatory information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

No data available

15.2 Chemical Safety Assessment

For this product a chemical safety assessment was not carried out

Version 1.0

Revision Date 28.03.2013

Print Date 20.03.2014

SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

Acute Tox.	Acute toxicity
Eye Irrit.	Eye irritation
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
Skin Irrit.	Skin irritation

Full text of R-phrases referred to under sections 2 and 3

Xn	Harmful
R22	Harmful if swallowed
R36/38	Irritation to eyes and skin

Further information

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