

## BCR-168: picene

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

#### 1.1 Product identifier:

Product name : BCR-168: picene  
 Product type REACH : Substance/mono-constituent  
 CAS number : 213-46-7  
 EC number : 205-918-7  
 RTECS number : TJ3700000  
 Molecular mass : 278.36 g/mol  
 Formula : C22H14

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

Certified reference material for laboratory use only

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

##### Supplier of the safety data sheet

Institute for Reference Materials and Measurements  
 Retieseweg  
 B-2440 Geel  
 Tel: +32 14 57 12 11  
 Fax: +32 14 59 04 06  
 JRC-IRMM-RM-Sales@ec.europa.eu

#### 1.4 Emergency telephone number:

Poison Centre:  
 +32 70 245 245

### SECTION 2: Hazards identification

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

##### 2.1.1 Classification according to Regulation EC No 1272/2008

Insufficient data to classify product as dangerous according to the criteria of Regulation (EC) No 1272/2008

##### 2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC

Insufficient data to classify product as dangerous in compliance with Directive 67/548/EEC and/or Directive 1999/45/EC

#### 2.2 Label elements:

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

Insufficient data to classify product as dangerous according to the criteria of Regulation (EC) No 1272/2008

#### 2.3 Other hazards:

CLP  
 No other hazards known

### SECTION 3: Composition/information on ingredients

#### 3.1 Substances:

Name (REACH Registration No)	CAS No EC No	Conc. (C)	Classification according to DSD/DPD	Classification according to CLP	Note	Remark
picene	213-46-7 205-918-7					Mono-constituent

#### 3.2 Mixtures:

Not applicable

### SECTION 4: First aid measures

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## 4.1 Description of first aid measures:

### General:

If you feel unwell, seek medical advice.

### After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

### After skin contact:

Rinse with water. Take victim to a doctor if irritation persists.

### After eye contact:

Rinse with water. Take victim to an ophthalmologist if irritation persists.

### After ingestion:

Rinse mouth with water. Consult a doctor/medical service if you feel unwell.

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

### 4.2.1 Acute symptoms

#### After inhalation:

No data available.

#### After skin contact:

No data available.

#### After eye contact:

No data available.

#### After ingestion:

No data available.

### 4.2.2 Delayed symptoms

If applicable and available it will be listed below.

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

If applicable and available it will be listed below.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media:

#### 5.1.1 Suitable extinguishing media:

Fire extinguishing agents: no data available.

#### 5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

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

Upon combustion: CO and CO<sub>2</sub> are formed.

### 5.3 Advice for firefighters:

#### 5.3.1 Instructions:

Take account of environmentally hazardous firefighting water. Use water moderately and if possible collect or contain it.

#### 5.3.2 Special protective equipment for fire-fighters:

Gloves. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

## SECTION 6: Accidental release measures

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

#### 6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

#### 6.1.2 Protective equipment for emergency responders

Gloves. Protective clothing.

Suitable protective clothing

See heading 8.2

### 6.2 Environmental precautions:

Contain leaking substance. Dam up the solid spill. Prevent soil and water pollution. Prevent spreading in sewers.

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

Scoop solid spill into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

### 6.4 Reference to other sections:

See heading 13.

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## SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 7.1 Precautions for safe handling:

Observe very strict hygiene - avoid contact. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain.

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

#### 7.2.1 Safe storage requirements:

Store in a dark area. Keep locked up. Unauthorized persons are not admitted. Meet the legal requirements.

#### 7.2.2 Keep away from:

No data available.

#### 7.2.3 Suitable packaging material:

No data available

#### 7.2.4 Non suitable packaging material:

No data available

### 7.3 Specific end use(s):

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters:

#### 8.1.1 Occupational exposure

##### a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

##### The Netherlands

Polycyclische aromatische koolwaterstoffen, afkoms	Time-weighted average exposure limit 8 h	0.00055 mg/m <sup>3</sup>	Public occupational exposure limit value; as benzo(a)pyrene
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##### b) National biological limit values

If limit values are applicable and available these will be listed below.

#### 8.1.2 Sampling methods

Product name	Test	Number
No data available		

#### 8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

#### 8.1.4 DNEL/PNEC values

If applicable and available it will be listed below.

#### 8.1.5 Control banding

If applicable and available it will be listed below.

### 8.2 Exposure controls:

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

#### 8.2.1 Appropriate engineering controls

Carry operations in the open/under local exhaust/ventilation or with respiratory protection. Measure the concentration in the air regularly.

#### 8.2.2 Individual protection measures, such as personal protective equipment

Observe very strict hygiene - avoid contact. Keep container tightly closed. Do not eat, drink or smoke during work.

##### a) Respiratory protection:

Dust production: dust mask with filter type P3.

##### b) Hand protection:

Gloves.

##### c) Eye protection:

Safety glasses. In case of dust production: protective goggles.

##### d) Skin protection:

Protective clothing.

#### 8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

## SECTION 9: Physical and chemical properties

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

Reason for revision: 453/2010

Publication date: 2002-04-25

Date of revision: 2012-11-26

Reference number: BCR-168

Revision number: 0300

Product number: 50016

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Physical form	Solid
Odour	No data available on odour
Odour threshold	No data available
Colour	No data available on colour
Particle size	No data available
Explosion limits	No data available
Flammability	No data available on direct fire hazard
Log Kow	7.11 ; Experimental value
Dynamic viscosity	No data available
Kinematic viscosity	No data available
Melting point	366 °C
Boiling point	519 °C
Flash point	No data available
Evaporation rate	No data available
Vapour pressure	< 0.00001 hPa ; 25 °C
Relative vapour density	Not applicable
Solubility	water ; 0.0001 g/100 ml ; 20 °C sulfuric acid ; soluble
Relative density	No data available
Decomposition temperature	No data available
Auto-ignition temperature	No data available
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	No data available

## Physical hazards

No physical hazard class

## 9.2 Other information:

No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity:

No data available.

### 10.2 Chemical stability:

No data available.

### 10.3 Possibility of hazardous reactions:

No data available.

### 10.4 Conditions to avoid:

No data available.

### 10.5 Incompatible materials:

No data available.

### 10.6 Hazardous decomposition products:

Upon combustion: CO and CO<sub>2</sub> are formed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects:

#### 11.1.1 Test results

#### Acute toxicity

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No (test) data available

#### Corrosion/irritation

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No (test)data available

## Respiratory or skin sensitisation

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No (test)data available

## Specific target organ toxicity

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No (test)data available

## Mutagenicity (in vitro)

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No (test)data available

## Mutagenicity (in vivo)

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No (test)data available

## Carcinogenicity

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No (test)data available

## Reproductive toxicity

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No (test)data available

## Toxicity other effects

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No (test)data available

## Chronic effects from short and long-term exposure

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No specific information available. SIMILAR PRODUCTS CAUSE FOLLOWING SYMPTOMS: Feeling of weakness. Tingling/irritation of the skin. Photoallergy. Dizziness. Respiratory difficulties. Irritation of the respiratory tract. Vomiting. Nausea. Irritation of the gastric/intestinal mucosa. Irritation of the eye tissue. Irritation of the nasal mucous membranes.

### 11.1.2 Other information

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IARC - classification
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## SECTION 12: Ecological information

### 12.1 Toxicity:

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No (test)data available

#### Conclusion

No data available on ecotoxicity

### 12.2 Persistence and degradability:

Biodegradability in water: no data available

### 12.3 Bioaccumulative potential:

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#### Log Kow

Method	Remark	Value	Temperature	Value determination
		7.11		Experimental value

#### Conclusion

No bioaccumulation data available

### 12.4 Mobility in soil:

Reason for revision: 453/2010

Publication date: 2002-04-25

Date of revision: 2012-11-26

Reference number: BCR-168

Product number: 50016

Revision number: 0300

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No (test)data on mobility of the substance available

## 12.5 Results of PBT and vPvB assessment:

Due to insufficient data no statement can be made whether the substance fulfils the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

## 12.6 Other adverse effects:

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### Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No. 1272/2008 and 1005/2009)

## SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

### 13.1 Waste treatment methods:

#### 13.1.1 Provisions relating to waste

The EURAL code must be assigned by the user, preferably in consultation with the (environmental) authorities concerned.. Insufficient data to classify as hazardous waste according to Directive 2008/98/EC.

#### 13.1.2 Disposal methods

Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber with energy recovery. Do not discharge into surface water (2000/60/EC, Council decision 2455/2001/EC, O.J. L331 of 15/12/2001).

#### 13.1.3 Packaging/Container

No data available.

## SECTION 14: Transport information

### Road (ADR)

#### 14.1 UN number:

Transport	Insufficient data
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#### 14.2 UN proper shipping name:

#### 14.3 Transport hazard class(es):

Hazard identification number	
Class	
Classification code	

#### 14.4 Packing group:

Packing group	
Labels	

#### 14.5 Environmental hazards:

Environmentally hazardous substance mark	no
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#### 14.6 Special precautions for user:

Special provisions	
Limited quantities	

### Rail (RID)

#### 14.1 UN number:

Transport	Insufficient data
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#### 14.2 UN proper shipping name:

#### 14.3 Transport hazard class(es):

Hazard identification number	
Class	
Classification code	

#### 14.4 Packing group:

Packing group	
Labels	

#### 14.5 Environmental hazards:

Environmentally hazardous substance mark	no
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#### 14.6 Special precautions for user:

Special provisions	
Limited quantities	

### Inland waterways (ADN)

#### 14.1 UN number:

Transport	Insufficient data
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14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Class	
Classification code	

14.4 Packing group:

Packing group	
Labels	

14.5 Environmental hazards:

Environmentally hazardous substance mark	no
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14.6 Special precautions for user:

Special provisions	
Limited quantities	

## Sea (IMDG)

14.1 UN number:

Transport	Insufficient data
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14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Class	
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14.4 Packing group:

Packing group	
Labels	

14.5 Environmental hazards:

Marine pollutant	-
Environmentally hazardous substance mark	no

14.6 Special precautions for user:

Special provisions	
Limited quantities	

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Annex II of MARPOL 73/78	
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## Air (ICAO-TI/IATA-DGR)

14.1 UN number:

Transport	Insufficient data
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14.2 UN proper shipping name:

14.3 Transport hazard class(es):

Class	
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14.4 Packing group:

Packing group	
Labels	

14.5 Environmental hazards:

Environmentally hazardous substance mark	no
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14.6 Special precautions for user:

Special provisions	
Passenger and cargo transport: limited quantities: maximum net quantity per packaging	

## SECTION 15: Regulatory information

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

#### European legislation:

Volatile organic compounds (VOC)

0 %

Persistent organic pollutants (POPs)

Listed in Annex III of Regulation (EC) No 850/2004: List of substances subject to release reduction provisions

### 15.2 Chemical safety assessment:

No chemical safety assessment has been conducted.

## SECTION 16: Other information

### Labelling according to Directive 67/548/EEC-1999/45/EC (DSD/DPD)

Insufficient data to classify product as dangerous in compliance with Directive 67/548/EEC and/or Directive 1999/45/EC

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(\*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive

DPD Dangerous Preparation Directive

CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult your BIG licence agreement for details.

