

# SAFETY DATA SHEET

<b>Version:</b>	1.1
<b>Revision Date:</b>	2016-04-20
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## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifiers

<b>Product Number:</b>	P0166
<b>Product name:</b>	Penthiopyrad
<b>CAS Registry Nr:</b>	183675-82-3

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

Laboratory chemicals, Manufacture of substances.

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

<b>Company:</b>	Chemodex AG
	CH - 9000 St. Gallen
	Switzerland, Europe
	Tel: +41 71 244 48 25
	Fax: +41 71 244 48 26
	Email: info@chemodex.com
	Website: www.chemodex.com

### 1.4 Emergency telephone number

<b>Tox Info Suisse:</b>	+41 44 251 51 51
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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification in accordance with (EC) No. 1272/2008

Chronic aquatic toxicity (Category 2)	H411
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For the full text of the H-Statements mentioned in this Section, see Section 16.


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

N Dangerous for the environment R51/53

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

## 2.2 Label elements

**Labelling according Regulation (EC) No. 1272/2008**

Pictogram	
Signal word	none

**Hazard statement(s)**

H411	Toxic to aquatic life with long lasting effects.
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**Precautionary statement(s)**

P273	Avoid release to the environment.
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## 2.3 Other hazards

Supplemental Hazard Statements:	none
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**SECTION 3: Composition/information on ingredients**

## 3.1 Substances

<b>Synonyms:</b>	(RS)-N-[2-(1,3-Dimethylbutyl)-3-thienyl]-1-methyl-3-(trifluoromethyl)pyrazole-4-carboxamide
<b>Mol. Formula:</b>	C <sub>16</sub> H <sub>20</sub> F <sub>3</sub> N <sub>3</sub> O <sub>2</sub> S
<b>Mol. Weight:</b>	359.41 g/mol
<b>CAS Registry No.:</b>	183675-82-3

Component	Classification	Concentration
(RS)-N-[2-(1,3-Dimethylbutyl)-3-thienyl]-1-methyl-3-(trifluoromethyl)pyrazole-4-carboxamide	CAS-No. 183675-82-3 Aquatic Chronic 2; H411	<= 100 %

**SECTION 4: First aid measures**

## 4.1 Description of first aid measures

<b>General advice</b>
Consult a physician. Show this safety data sheet to the doctor in attendance.
<b>If inhaled</b>
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

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**SECTION 5: Firefighting measures****5.1 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, nitrogen oxides (NOx), Sulphur oxides, Hydrogen fluoride

**5.3 Advice for firefighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**5.4 Further information**

No data available

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

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

**6.2 Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**6.3 Methods and material for containment and cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

#### 6.4 Reference to other sections

For disposal see section 13.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection. For precautions see section 2.2.

#### 7.2 Conditions for safe storage

Keep container tightly closed in a dry and well-ventilated place.  
Protect from light and moisture.

#### 7.3 Specific end use(s)

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

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### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### **Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

#### 8.2 Exposure controls

##### **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

##### **Personal protective equipment**

###### **Eye/face protection**

Safety glasses with side-shields conforming to EN166 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. scenario.

###### **Body Protection**

impervious clothing, The type of protective equipment must be selected according to the

concentration and amount of the dangerous substance at the specific workplace.

#### **Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

#### **Control of environmental exposure**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

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## **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

a)	<b>Appearance:</b>	Grey solid powder
b)	<b>Odour:</b>	No data available
c)	<b>Odour Threshold:</b>	No data available
d)	<b>pH:</b>	No data available
e)	<b>Melting point/freezing point:</b>	No data available
f)	<b>Boiling point</b>	No data available
g)	<b>Flash point:</b>	No data available
h)	<b>Evaporation rate:</b>	No data available
i)	<b>Flammability (solid, gas):</b>	No data available
j)	<b>Upper/lower flammability or explosive limits:</b>	No data available
k)	<b>Vapour pressure:</b>	< 0,0000001 hPa at 25 °C
l)	<b>Vapour density:</b>	No data available
m)	<b>Relative density:</b>	
n)	<b>Solubility:</b>	Water (0,00753 g/l at 20 °C)
o)	<b>Partition coefficient (n-octanol/water):</b>	log Pow: 4,95
p)	<b>Auto-ignition temperature:</b>	No data available
q)	<b>Decomposition temperature:</b>	No data available
r)	<b>Viscosity:</b>	No data available
s)	<b>Explosive properties:</b>	No data available
t)	<b>Oxidizing properties:</b>	No data available

### 9.2 Other information

No data available

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## **SECTION 10: Stability and reactivity**

### 10.1 Reactivity

No data available

### 10.2 Chemical stability

Stable for at least 2 years under recommended storage conditions.

#### 10.3 Possibility of hazardous reactions

No data available

#### 10.4 Conditions to avoid

No data available

#### 10.5 Incompatible materials

Strong oxidizing agents

#### 10.6 Hazardous decomposition products

No data available

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### **Acute toxicity**

LD50 Oral - rat - male and female - > 2.000 mg/kg

LC50 Inhalation - rat - 4 h - 5,67 mg/l

LD50 Dermal - rat - male and female - > 2.000 mg/kg

##### **Skin corrosion/irritation**

Skin - rabbit

Result: No skin irritation

##### **Serious eye damage/eye irritation**

Eyes - rabbit

Result: Mild eye irritation

##### **Respiratory or skin sensitisation**

- rabbit

Result: Does not cause skin sensitisation.

##### **Germ cell mutagenicity**

Not mutagenic in Ames Test.

##### **Carcinogenicity**

IARC: No component of this product present 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: Not available

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

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## SECTION 12: Ecological information

### 12.1 Toxicity

Toxicity to fish LC50 - Cyprinus carpio (Carp) - 1,17 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates LC50 - Daphnia - 40 mg/l - 24 h

Toxicity to algae ErC50 - Algae - 2,72 mg/l - 72 h

### 12.2 Persistence and degradability

No data available

### 12.3 Bioaccumulative potential

No data available

### 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

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### **Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

#### **Contaminated packaging**

Dispose of as unused product.

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## SECTION 14: Transport information

### 14.1 UN number

ADR/RID: 3077 IMDG: 3077 IATA: 3077

### 14.2 UN proper shipping name

ADR/RID:  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ((RS)-N-[2-(1,3-Dimethylbutyl)-3-thienyl]-1-methyl-3-(trifluoromethyl)pyrazole-4-carboxamide)

IMDG:  
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. ((RS)-N-[2-(1,3-Dimethylbutyl)-3-thienyl]-1-methyl-3-(trifluoromethyl)pyrazole-4-carboxamide)

IATA:  
Environmentally hazardous substance, solid, n.o.s. ((RS

#### 14.3 Transport hazard class(es)

ADR/RID: 9 IMDG: 9 IATA: 9

#### 14.4 Packaging group

ADR/RID: III IMDG: III IATA: III

#### 14.5 Environmental hazards

ADR/RID: yes IMDG Marine pollutant: yes IATA: yes

#### 14.6 Special precautions for user

No data available

#### 14.6 Special precautions for user

No data available

#### 14.7 Further information

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

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### 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.

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### SECTION 16: Other information

Aquatic Chronic Chronic aquatic toxicity

H411 Toxic to aquatic life with long lasting effects.

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

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.



**Further information**

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The above information is believed to be correct but shall not be taken as being all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Chemodex Ltd. and its affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See [www.chemodex.com](http://www.chemodex.com) and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.