

Revision Date 27-Feb-2012

Revision Number 3

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product Identifier

**Product Description:** 1-Phenyl-1-cyclopropanecarbonitrile  
**Cat No.** 170590000; 170590100; 170590500  
**Synonyms** 1-Phenylcyclopropanecarbonitrile

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

**Recommended Use** Laboratory chemicals  
**Uses advised against** No Information available

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

#### Company

Acros Organics BVBA  
 Janssen Pharmaceuticaaan 3a  
 2440 Geel, Belgium

**E-mail address** begel.sdsdesk@thermofisher.com

### Emergency Telephone Number

For information in the US, call: 001-800-ACROS-01  
 For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99  
 Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-424-9300  
 CHEMTREC Phone Number, Europe: 001-703-527-3887

## SECTION 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

#### REGULATION (EC) No 1272/2008

Acute oral toxicity	Category 4
Acute dermal toxicity	Category 4
Acute Inhalation Toxicity - Dusts and Mists	Category 4

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

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

**Symbol(s)** Xn - Harmful  
**R-phrases** none  
**Risk Combination Phrases** R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

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## SECTION 2. HAZARDS IDENTIFICATION

### Label Elements



### Signal Word

Warning

### Hazard Statements

H332 - Harmful if inhaled  
H312 - Harmful in contact with skin  
H302 - Harmful if swallowed

### Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell  
P304 + P340 - IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing

### Other Hazards

No information available.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	EC-No.	Weight %	CAS-No	67/548/EEC Classification	CLP Classification - Regulation (EC) No 1272/2008	REACH No.
1-Phenylcyclopropanecarbonitrile 935-44-4	EEC No. 213-304-5	97	935-44-4	Xn; R20/21/22	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332)	-

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

## SECTION 4. FIRST AID MEASURES

### Description of first aid measures

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**SECTION 4. FIRST AID MEASURES**

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
<b>Skin Contact</b>	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth to an unconscious person. Drink plenty of water. If possible drink milk afterwards.
<b>Inhalation</b>	Remove from exposure, lie down. Move to fresh air.
<b>Notes to Physician</b>	Treat symptomatically

**SECTION 5. FIRE-FIGHTING MEASURES****Extinguishing media****Suitable Extinguishing Media**

Water spray. Carbon dioxide (CO<sub>2</sub>). Dry chemical. alcohol-resistant foam.

**Extinguishing media which must not be used for safety reasons**

No information available.

**Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating gases and vapors

**Advice for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**SECTION 6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

**Environmental precautions**

Prevent further leakage or spillage if safe to do so

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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal..

**SECTION 7. HANDLING AND STORAGE****Precautions for Safe Handling**

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Ensure adequate ventilation

### Conditions for safe storage, including any incompatibilities

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

### Specific End Uses

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure limits

##### Component

1-  
Phenylcyclopropanecar  
bonitrile

European Union	The United Kingdom	France	Belgium	Spain
	STEL: 15 mg/m <sup>3</sup> 15 min TWA: 5 mg/m <sup>3</sup> 8 hr Skin	VME: 5 mg/m <sup>3</sup> 8 heures. CN Skin		

##### Component

1-  
Phenylcyclopropanecar  
bonitrile

Italy	Germany	Portugal	The Netherlands	Finland
	MAK: 2 mg/m <sup>3</sup> 8 Stunden. inhalable fraction Skin Peak: 2 mg/m <sup>3</sup>			

##### Component

1-  
Phenylcyclopropanecar  
bonitrile

Austria	Denmark	Switzerland	Poland	Norway
				TWA: 5 mg/m <sup>3</sup> 8 timer Skin

##### Component

1-  
Phenylcyclopropanecar  
bonitrile

Bulgaria	Croatia	Ireland	Cyprus	Czech Republic
		Skin		

### Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

### Derived No Effect Level (DNEL)

No information available.

### Predicted No Effect Concentration (PNEC)

No information available.

### Exposure controls

#### Engineering Measures

Ensure adequate ventilation, especially in confined areas

#### Personal protective equipment

##### Eye Protection

Safety glasses with side-shields Goggles

##### Hand Protection

Protective gloves

##### Skin and body protection

Long sleeved clothing

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**Respiratory Protection**

Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode with emergency escape provisions

**Hygiene Measures**

Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls**

No information available.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State**

Liquid

**Appearance**

Light yellow

**odor**

odorless

**pH**

No information available.

**Vapor Pressure**

No information available.

**Vapor Density**

4.94

**Boiling Point/Range**

133 - 137°C / 271.4 - 278.6°F @ 30 mmHg

**Melting Point/Range**

No information available.

**Flash Point**

> 110°C / > 230°F

**Autoignition Temperature**

No information available.

**Specific Gravity**

1.000

**Molecular Formula**

C<sub>10</sub> H<sub>9</sub> N

**Molecular Weight**

143.19

## SECTION 10. STABILITY AND REACTIVITY

**Reactivity**

**Chemical Stability**

Stable under normal conditions.

**Possibility of Hazardous Reactions**

**Hazardous Polymerization**

No information available.

**Hazardous Reactions .**

No information available.

**Conditions to Avoid**

Heat, flames and sparks

**Incompatible Materials**

Strong oxidizing agents, Strong acids, Strong bases, Strong reducing agents.

**Hazardous Decomposition Products**

None under normal use conditions

## SECTION 11. TOXICOLOGICAL INFORMATION

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**SECTION 11. TOXICOLOGICAL INFORMATION****Information on Toxicological Effects****Acute Toxicity**

**Product Information** No acute toxicity information is available for this product

**Component Information****Chronic Toxicity**

**Carcinogenicity** There are no known carcinogenic chemicals in this product

<b>Sensitization</b>	No information available.
<b>Mutagenic Effects</b>	No information available.
<b>Reproductive Effects</b>	No information available.
<b>Developmental Effects</b>	No information available.
<b>Target Organs</b>	No information available.
<b>Endocrine Disruptor Information</b>	None known

**SECTION 12. ECOLOGICAL INFORMATION****Toxicity**

**Ecotoxicity effects** Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

**Persistence and degradability**

No information available

**Bioaccumulative potential**

No information available.

**Mobility in soil**

No information available.

**Results of PBT and vPvB assessment****Other adverse effects**

No information available

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## SECTION 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Waste from Residues / Unused Products** Dispose of in accordance with local regulations

**Contaminated Packaging** Empty containers should be taken to local recyclers for disposal

## SECTION 14. TRANSPORT INFORMATION

### IMDG/IMO

UN-No 2810  
Hazard Class 6.1  
Packing Group III  
Proper Shipping Name TOXIC LIQUID, ORGANIC, N.O.S.

### ADR

UN-No 2810  
Hazard Class 6.1  
Packing Group III  
Proper Shipping Name TOXIC LIQUID, ORGANIC, N.O.S.

### IATA

UN-No 2810  
Hazard Class 6.1  
Packing Group III  
Proper Shipping Name TOXIC LIQUID, ORGANIC, N.O.S.\*

## SECTION 15. REGULATORY INFORMATION

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

### International Inventories

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
1-Phenylcyclopropanecarbonitrile	213-304-5	-		-	-	-	-	-	-	-	-

### Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

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**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**CHINA** - China Inventory of Existing Chemical Substances

**AICS** - Inventory of Chemical Substances

**KECL** - Existing and Evaluated Chemical Substances

### Chemical Safety Assessment

## **SECTION 16. OTHER INFORMATION**

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

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

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**Revision Summary**

Not applicable

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

### **Disclaimer**

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**