

PEONILE 8753253

Version 5.0

Revision Date 19 MAR 2014

Print Date 11 JUN 2014

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

1.1 Product identifier

Sales No. : PEONILE 8753253

Substance name : 2-CYCLOHEXYLIDENE-2-PHENYLACETONITRILE
Identifier

INDEX : 608-044-00-8
CAS : 10461-98-0
ELINCS : 423-740-1
Formula : C14H15N

REACH Registration Number : 01-0000017023-83-0003

If this is a flavouring for foodstuffs, then the exemption from REACH registration applies.

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

Intended Use Fragrances : Perfumery ingredient

1.3 Details of the supplier of the safety data sheet

Company :
Givaudan Suisse SA
Chemin de la Parfumerie 5
CH-1214 VERNIER

Telephone : +41227809111
Telefax : +41227809150
E-mail address : global.msds_fragrances_raps@givaudan.com
Responsible/issuing person

1.4 Emergency telephone number

+33172110003

SECTION 2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4 H302: Harmful if swallowed.
Chronic aquatic toxicity, Category 2 H411: Toxic to aquatic life with long lasting effects.

Classification (67/548/EEC, 1999/45/EC)

Dangerous for the environment R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Harmful R22: Harmful if swallowed.

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Sales & Distribution Information: VE01/FR/CH12/01/0010003798/0001855981/000010

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2.2 Label elements



Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	 
Signal word	:	Warning
Hazard statements	:	H302 Harmful if swallowed. H411 Toxic to aquatic life with long lasting effects.
Precautionary statements	:	Prevention: P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. Response: P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell. P315 Get immediate medical advice/ attention. P391 Collect spillage. Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:

- 2-cyclohexylidene-2-phenylacetonitrile 10461-98-0

Labelling according to EC Directives (67/548/EEC, 1999/45/EC)

Hazard pictograms	:	 
		Harmful Dangerous for the environment
R-phrases(s)	:	R22 Harmful if swallowed. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases(s)	:	S46 If swallowed, seek medical advice immediately and show this container or

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label.
Avoid release to the environment. Refer to
special instructions/ Safety data sheets.

Hazardous components which must be listed on the label:

- 2-cyclohexylidene-2-phenylacetonitrile 10461-98-0

2.3 Other hazards

no data available

SECTION 3. Composition/information on ingredients

3.1 Substances

Chemical Name	CAS-No. EINECS-No. / ELINCS No.	Concentration [%]
2-cyclohexylidene-2-phenylacetonitrile	10461-98-0 423-740-1	>= 50 - <= 100

Hydrocarbons : 0 %

SECTION 4. First aid measures

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.
Do not leave the victim unattended.
- If inhaled : If unconscious place in recovery position and seek medical
advice.
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.
If on skin, rinse well with water.
- In case of eye contact : Flush eyes with water as a precaution.
Remove contact lenses.
Protect unharmed eye.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

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If swallowed : Induce vomiting immediately and call a physician.
Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : no data available
Risks : no data available

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : no data available

SECTION 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media :
Dry chemical
Alcohol-resistant foam
Water spray
Carbon dioxide (CO₂)

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.

Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : no data available

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.

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If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for 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.

6.4 Reference to other sections

not applicable

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Temperature class : no data available

Fire-fighting class : no data available

Dust explosion class : no data available

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : no data available

Advice on common storage : no data available

German storage class : no data available

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : no data available

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SECTION 8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

Hand protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water
Tightly fitting safety goggles

Skin and body protection : impervious clothing
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.
When using do not smoke.
Wash hands before breaks and at the end of workday.

Environmental exposure controls

General advice : Prevent product from entering drains.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid
Form : liquid
Colour : colourless to Pale yellow
Taste : not determined
Odour : Floral, Fresh, Geranium-like, Citrus-like
Odour Threshold : 0,6002 ng/l
Flash point : 154 °C Method: Pensky-Martens closed cup
Lower explosion limit : not determined
Upper explosion limit : not determined
Flammability (solid, gas) : no data available
Oxidizing properties : no data available
Auto-ignition temperature : 385 °C
Method: DIN 51794

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Decomposition temperature	: no data available
Molecular weight	: 197,00 g/mol
pH	: no data available
Melting point	: 27 °C
Boiling point	: 305 °C at 1 013 hPa
Vapour pressure	: 0,0004 hPa at 20 °C Method: OECD Test Guideline 104 0,0082 hPa at 50 °C Method: OECD Test Guideline 104
Density	: 1 031,96 kg/m ³ at 20 °C
Bulk density	: not applicable
Water solubility	: 7,5 mg/l at 20 °C
Solubility/qualitative	: practically insoluble
Partition coefficient: n-octanol/water	: log Pow: 4 Method: OECD Test Guideline 117
Viscosity, kinematic	: no data available
Relative vapour density	: no data available
Surface tension	: 72,5 mN/m at 20 °C Method: Surface tension
Evaporation rate	: no data available
Explosive properties	: no data available

SECTION 10. Stability and reactivity

10.1 Reactivity

none

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : no data available

10.5 Incompatible materials

Materials to avoid : no data available

10.6 Hazardous decomposition products

Hazardous decomposition products : no data available

Thermal decomposition : no data available

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SECTION 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : LD50 rat
Dose: 619 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 rat
Exposure time: 4 h
Dose: > 5,00 mg/l
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 rat
Dose: > 2 000 mg/kg
Method: OECD Test Guideline 402

Acute toxicity (other routes of administration) : No data is available on the product itself.

Skin corrosion/irritation

Skin irritation : Species: rabbit
No skin irritation
Method: OECD Test Guideline 404

Serious eye damage/eye irritation

Eye irritation : Species: rabbit
No eye irritation
Method: OECD Test Guideline 405

Respiratory or skin sensitisation

Sensitisation : HRIPT Human
Result: Not sensitizing
at 30 % in Dimethyl phthalate
Maximisation Test guinea pig
Result: Not sensitizing
Method: OECD Test Guideline 406

Germ cell mutagenicity

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Genotoxicity in vitro : Ames test
negative
Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)

Chromosome aberration test in vitro
negative
Method: Mutagenicity (in vitro mammalian cytogenetic test)

Genotoxicity in vivo : Micronucleus test Species: mouse
Method: Mutagenicity (micronucleus test)
negative

Carcinogenicity

Carcinogenicity : No data is available on the product itself.

Reproductive toxicity

Reproductive toxicity : No data is available on the product itself.

Target Organ Systemic Toxicant - Single exposure

Target Organ Systemic Toxicant - Single exposure : No data is available on the product itself.

Target Organ Systemic Toxicant - Repeated exposure

Target Organ Systemic Toxicant - Repeated exposure : Species: rat
NOAEL: 45 mg/kg
Repeated dose (28 days) toxicity (oral)

**Target Organ Systemic Toxicant - Repeated exposure
Aspiration hazard**

Aspiration toxicity : No data is available on the product itself.

Phototoxicity

Phototoxicity : Phototoxicity guinea pig
Result:negative

Further information : no data available

SECTION 12. Ecological information

12.1 Toxicity

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Toxicity to fish	: LC50: 1,4 mg/l Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout) Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50: 3 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea) Method: OECD Test Guideline 202
Toxicity to algae	: ErC50: 1,96 mg/l Exposure time: 72 h Species: Selenastrum capricornutum (green algae) Method: OECD Test Guideline 201
Toxicity to bacteria	: no data available
Toxicity to fish (Chronic toxicity)	: no data available
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: no data available
Acute aquatic toxicity	: no data available
Chronic aquatic toxicity	: no data available
Toxicity Data on Soil	: no data available
Other organisms relevant to the environment	: no data available

12.2 Persistence and degradability

Biodegradability	: Result: Not inherently biodegradable. 0 % Method: OECD Test Guideline 302 C Result: Not readily biodegradable. 0 % Method: OECD Test Guideline 301 F
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12.3 Bioaccumulative potential

Bioaccumulation	: no data available
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12.4 Mobility in soil

Mobility	: no data available
Distribution among environmental compartments	: no data available
Additional advice	: no data available
Environmental fate and pathways	

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Physico-chemical
removability : no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

Biochemical Oxygen Demand (BOD) : no data available
Dissolved organic carbon (DOC) : no data available
Chemical Oxygen Demand (COD) : no data available
Adsorbed organic bound halogens (AOX) : no data available
Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

SECTION 13. Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

Dispose of in accordance with local regulations.

SECTION 14. Transport information

ADR/RID/ADN

UN number : 3082
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(2-Cyclohexylidene-2-phenylacetonitrile)
Transport hazard class(es) : 9
Packing group : III
Hazard Identification Number : 90
Labels : 9
Tunnel restriction code : (E)
Environmentally hazardous : yes

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IATA/CAO

UN number : 3082
Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.
(2-Cyclohexylidene-2-phenylacetonitrile)
Class : 9
Packing group : III
Labels : 9
Environmentally hazardous : yes

Packing instruction (CAO) : 964
Packing instruction (PAX) : 964
Packing instruction (Ltd. Qty.) : Y964

IMDG

UN number : 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(2-Cyclohexylidene-2-phenylacetonitrile)
Class : 9
Packing group : III
Labels : 9
EmS Fire : F-A
EmS Spillage : S-F

Marine pollutant : yes
2-Cyclohexylidene-2-phenylacetonitrile
IMDG Code Segregation Group : None

SECTION 15. Regulatory information

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

Water contaminating class : WGK 2 water endangering
(Germany)

15.2 Chemical Safety Assessment

no data available

SECTION 16. Other information

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

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R22	Harmful if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

H302	Harmful if swallowed.
H411	Toxic to aquatic life with long lasting effects.

The information provided in 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

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