

105274 VETIVAL®

Version 14

Revision Date 26.08.2014

Print Date 12.09.2014

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Commercial Product Name : VETIVAL®
Material number : 105274
Substance name : 4-Cyclohexyl-4-methylpentan-2-one
CAS-No. : 4927-39-3
EC-No. : 225-562-6

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

no data available

1.3 Details of the supplier of the safety data sheet

Company : Holzminden
Muehlenfeldstrasse 1
D-37603 Holzminden
Telephone : +495531900
Telefax : +495531901649
E-mail address : sds@symrise.com

For further information, please contact:
Symrise AG - Tel.: +49 / (0)5531 / 90-0

1.4 Emergency telephone number

Symrise AG - Tel.: +49 / (0)5531 / 90-0

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)


Skin irritation, Category 2 H315

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

Xi; R38

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms : 

Signal word : Warning

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Hazard statements	: H315	Causes skin irritation.
Precautionary statements	: Prevention: P264 P280 Response: P302 + P352 P332 + P313 P362	Wash skin thoroughly after handling. Wear protective gloves. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

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

Symbol(s)	: Xi	Irritant
R-phrases(s)	: R38	Irritating to skin.
S-phrases(s)	: None.	

2.3 Other hazards

no data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical characterization	: 4-Cyclohexyl-4-methylpentan-2-one
Molecular weight	: 182,31 g/mol
Total formula	: C12-H22-O
CAS-No.	: 4927-39-3
EINECS-No. / ELINCS No.	: 225-562-6

3.2 Mixtures

Hazardous components

not applicable

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice	: Move out of dangerous area. Never give anything by mouth to an unconscious person.
Inhalation	: Move to fresh air.
Skin contact	: Take off all contaminated clothing immediately. If skin irritation persists, call a physician. Wash off immediately with plenty of water for at least 15 minutes.

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Eye contact : Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.
Remove contact lenses.

Ingestion : Clean mouth with water and drink afterwards plenty of water.
Prevent vomiting if possible.
If a person vomits when lying on his back, place him in the recovery position.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

no data available

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.

Extinguishing media which shall not be used for safety reasons : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : In the event of fire and/or explosion do not breathe fumes.
Use water spray to cool unopened containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Dam up.
Wipe up with absorbent material (e.g. cloth, fleece).

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Additional advice : Local authorities should be advised if significant spillages cannot be contained.
Suppress (knock down) gases/vapours/mists with a water spray jet.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
Advice on protection against fire and explosion : When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container.
Keep container tightly closed in a dry and well-ventilated place.
To maintain product quality, do not store in heat or direct sunlight.
Advice on common storage : No special restrictions on storage with other products.
German storage class : Combustible liquids not in Storage Class 3
Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

no data available

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

none

8.2 Exposure controls

Engineering measures

none

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.
Hand protection : Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred.
Wear chemicals-resistant gloves, e.g. safety gloves of chloroprene Level 2 or of butyl rubber Level 6.
Eye protection : Safety glasses
Skin and body protection : Lightweight protective clothing
Remove and wash contaminated clothing before re-use.
Hygiene measures : Wash hands before breaks and immediately after handling the product.

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Protective measures : Avoid contact with skin.
When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Form : clear liquid
Colour : colorless to yellowish
Odour : characteristic

Safety data

Flash point : > 100 °C
Water solubility : immiscible
Relative density : 0,9130 - 0,9170 at 20 °C (relation to density of water at 4°C)
Vapour pressure : 0,044 hPa at 20 °C
< 1 kPa at 50 °C (calculated)
Boiling point : no data available
Melting point/freezing point : no data available
Partition coefficient: n-octanol/water : log Pow: 3,7
pH : no data available
Viscosity, dynamic : no data available
Viscosity, kinematic : no data available
Evaporation rate : no data available
Flammability (solid, gas) : no data available
Ignition temperature : 284 °C
Minimum ignition energy : no data available
Auto-ignition temperature : 284 °C
Oxidizing properties : no data available
Lower explosion limit : no data available
Upper explosion limit : no data available
Conductivity : no data available
Bulk density : no data available
Solubility/qualitative : no data available
Solubility in other solvents : no data available

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Impact sensitivity : no data available

Burning number : no data available

Relative vapour density : no data available

9.2 Other data

None.

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 dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid : no data available

10.5 Incompatible materials to avoid : no data available

10.6 Hazardous decomposition products : no data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity : LD50 rat: > 2.000 mg/kg

Acute inhalation toxicity : no data available

Acute dermal toxicity : no data available

Repeated dose toxicity : no data available

Acute toxicity (other routes of administration) : no data available

Skin irritation : rabbit: No skin irritation @ 10 %

Eye irritation : rabbit: No eye irritation @ 10 %

Sensitisation : Humans: No sensitizing effect. @ 12 %

Mutagenicity : no data available

Carcinogenicity : no data available

Reproductive toxicity : no data available

Teratogenicity : no data available

Specific target organ toxicity - single exposure : no data available

Specific target organ toxicity - repeated exposure : no data available

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Aspiration toxicity : no data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

no data available

12.2 Persistence and degradability

Not readily biodegradable.
8,7 %, BODIS

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product : Where possible recycling is preferred to disposal or incineration.
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

Not classified as dangerous in the meaning of transport regulations.

14.2 Proper shipping name

Not classified as dangerous in the meaning of transport regulations.

14.3 Transport hazard class

Not classified as dangerous in the meaning of transport regulations.

14.4 Packing group

Not classified as dangerous in the meaning of transport regulations.

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14.5 Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

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

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: REGULATORY INFORMATION

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

National legislation

Risk classification according to BetrSichV (Germany) : Exempt

Water contaminating class (Germany) : WGK 2 (water endangering)
3720 VwVwS Annex 3

15.2 Chemical Safety Assessment

no data available

SECTION 16: OTHER INFORMATION

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

R38 Irritating to skin.

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

H315 Causes skin irritation.

Further information

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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