

TANGERINOL

Version 3.0

Revision Date 18 JUL 2013

Print Date 26 JUL 2013

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

1.1 Product identifier

Sales No. : 9177303
TANGERINOL

Substance name : 6,10-DIMETHYL-5,9-UNDECADIEN-2-YL ACETATE(CIS & TRANS)

Identifier

CAS : 3239-35-8
CAS : 3239-37-0
CAS : 91482-37-0
EINECS : 221-803-4
EINECS : 221-805-5

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

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

|| Not a hazardous substance or mixture.

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

Irritant R38: Irritating to skin.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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

Hazard pictograms :



Irritant

R-phrase(s) : R38 Irritating to skin.

S-phrase(s) : S24 Avoid contact with skin.

2.3 Other hazards

no data available

3. Composition/information on ingredients

3.1 Substances

Chemical Name	CAS-No. EINECS-No. / ELINCS No.	Concentration [%]
6,10-DIMETHYL-5,9-UNDECADIEN-2-YL ACETAT (CIS & TRANS)	3239-35-8 221-803-4	<= 100

Hydrocarbons : 0 %

4. First aid measures

4.1 Description of first aid measures

General advice : 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.

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- In case of eye contact : Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist.
- If swallowed : 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

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 : no data available

5.3 Advice for firefighters

- Special protective equipment for firefighters : Wear self contained breathing apparatus for fire fighting if necessary.
- Further information : Standard procedure for chemical fires.
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- Personal precautions : no data available

6.2 Environmental precautions

- Environmental precautions : If the product contaminates rivers and lakes or drains inform

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respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

not applicable

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.

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 : Electrical installations / working materials must comply with the technological safety standards.

Further information on storage conditions : no data available

Advice on common storage : No materials to be especially mentioned.

German storage class : no data available

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

7.3 Specific end uses

Specific use(s) : no data available

8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Personal protective equipment

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Respiratory protection : No personal respiratory protective equipment normally required.

Eye protection : Safety glasses

Skin and body protection : Protective suit

Hygiene measures : General industrial hygiene practice.

Environmental exposure controls

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

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid
Form : liquid
Colour : colourless
Taste : not determined
Odour : Citrus-like, Powerful, Marine, Metallic
Odour Threshold : 7,8203 ng/l
Flash point : 131 °C
Lower explosion limit : not determined
Upper explosion limit : not determined
Flammability (solid, gas) : no data available
Oxidizing properties : no data available
Autoignition temperature : no data available
Decomposition temperature : no data available
Molecular Weight : 238,40 g/mol
pH : no data available
Melting point : not determined
Boiling point : 296 °C at 1 013 hPa
Vapour pressure : 0,0068 hPa at 20 °C
Density : 890,97 kg/m3 at 20 °C
Bulk density : not applicable
Water solubility : 0,266 mg/l at 25 °C
Solubility/qualitative : insoluble
Partition coefficient: n-octanol/water : log Pow: 5,8
Method: OECD Test Guideline 117
Viscosity, kinematic : no data available
Relative vapour density : no data available
Evaporation rate : no data available
Explosive properties : no data available

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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 : Stable under recommended storage conditions., No hazards to be specially mentioned.

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

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : LD50 rat
Dose: > 8 000 mg/kg

Acute inhalation toxicity : This information is not available.

Acute dermal toxicity : LD50 rabbit
Dose: > 2 000 mg/kg

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

Skin corrosion/irritation

Skin irritation : Species: rabbit
No skin irritation

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Serious eye damage/eye irritation

Eye irritation : No data is available on the product itself.

Respiratory or skin sensitization

Sensitisation : HRIPT Human
Result: Not sensitizing
at 1 % in Petrolatum
Maximisation Test guinea pig
Result: Not sensitizing

Germ cell mutagenicity

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

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 : No data is available on the product itself.

Aspiration hazard

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

Phototoxicity

Phototoxicity : Phototoxicity
Result:negative

Further information

: no data available

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12. Ecological information

12.1 Toxicity

Toxicity to fish : no data available
Toxicity to daphnia and other aquatic invertebrates : no data available
Toxicity to algae : no data available
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: Readily biodegradable.
87 %
Method: OECD Test Guideline 301 F

12.3 Bioaccumulative potential

Bioaccumulation : no data available

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
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 : no data available

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(COD)
Adsorbed organic bound : no data available
halogens (AOX)
Additional ecological : no data available
information

13. Disposal considerations

13.1 Waste treatment methods

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

Dispose of in accordance with local regulations.

14. Transport information

|| **Not classified as dangerous in the meaning of transport regulations.**

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) Number: 4
Classification according to appendix 3
ZDE_WGK Update: 2005-08-31

15.2 Chemical Safety Assessment

no data available

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.

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