

SAFETY DATA SHEET

According to Title 29 of US Code of Federal Regulations 1910.1200.



197009 VETIKOLACETAT®

Version 5.0

Print Date: 09/05/2019

Revision Date: 09/04/2019

SECTION 1. IDENTIFICATION

Product name : VETIKOLACETAT®
000000000000197009
Product code : 197009
Manufacturer or supplier's details
Company name of supplier : Symrise , Inc.
Address : 300 North Street
Teterboro NJ 07608
Telephone : (201) 288-3200
Telefax : (201) 288-0843
E-mail address : msds-us@symrise.com
Emergency telephone number : +1-800-535-5053 (ID# 101844)
+1-352-323-3500 (Outside US)

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin irritation : **Category 2**

GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H315 Causes skin irritation.

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

Hazards Not Otherwise Classified (HNOC)

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name : Benzenepropanol, α,γ,γ -trimethyl-, 1-acetate
Synonyms : 1,3-Dimethyl-3-phenylbutyl acetate
Chemical Family : Aliphatic Esters
CAS-No. : 68083-58-9
Molecular formula : C₁₄H₂₀O₂

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SECTION 4. FIRST AID MEASURES

- General advice : Do not leave the victim unattended.
Move out of dangerous area.

Show this safety data sheet to the doctor in attendance.
- If inhaled : If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.
- In case of skin contact : If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact : Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.
- If swallowed : Do not give milk or alcoholic beverages.
If symptoms persist, call a physician.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.
- Environmental precautions : Try to prevent the material from entering drains or water courses.
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.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Soak up with inert absorbent material and dispose of as hazardous waste.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Use only with adequate ventilation.
Do not breathe vapours/dust.
For industrial use only.
Keep all heated processes at the lowest necessary temperature in order to minimize emissions of volatile chemicals into the air.
Take care to avoid waste and spillage when weighing, loading and mixing the product.

Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.

Packaging material : Unsuitable material: no aluminium

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

We are not aware of any national exposure limit.

Personal protective equipment

Respiratory protection : In the absence of adequate ventilation, a respirator, appropriate for the specific workplace conditions, is recommended.

Eye protection : Wear chemical resistant goggles and/or face shield.

Skin and body protection : Wear suitable gloves.

Protective measures : Engineering controls providing adequate ventilation (such as hoods, point source or whole room ventilation systems for liquids and dust collection systems for dusts) are recommended as the primary method to minimize workplace exposure. When adequate ventilation cannot be achieved, the use of an appropriate respiratory protection device is recommended.
Established TLV/ TWA or PEL values should be used when

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possible.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : clear liquid
Colour : colorless to pale yellow
Odour : characteristic
Flash point : 259 °F / 126 °C

Evaporation rate : Lower than the evaporation rate of butyl acetate = 1

Vapour pressure : 0.037 hPa (20 °C) / 0.028 mmHg (20 °C)
Method: OECD Test Guideline 104
GLP: no

0.297 hPa (50 °C) / 0.223 mmHg (50 °C)
Method: OECD Test Guideline 104
GLP: no

0.054 hPa (25 °C) / 0.041 mmHg (25 °C)
Method: OECD Test Guideline 104
GLP: no

Relative density : 0.9800 - 0.9850 (20 °C)
relation to density of water at 4°C

Solubility(ies)
Water solubility : 0.0845 g/l immiscible (20 °C)
pH: 6.4
Method: OECD Test Guideline 105
GLP: yes

Partition coefficient: n-octanol/water : log Pow: 3.55 (22.4 °C)
Method: OECD 117
GLP: yes

Surface tension : 50.69 mN/m, OECD 115, GLP: no

Molecular weight : 220.34 g/mol

SECTION 10. STABILITY AND REACTIVITY

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : Stable under recommended storage conditions.

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None known.

Conditions to avoid : No data available

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion
Inhalation
Eye contact
Skin contact

Acute toxicity

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg
Method: OECD Test Guideline 401
GLPno

LD50 Oral (Rat, female): >= 5,000 mg/kg
Method: OECD 423
GLPyes

Acute inhalation toxicity : Remarks: Not applicable

Acute dermal toxicity : LD50 (Rabbit): > 2,000 mg/kg

Skin corrosion/irritation

Species: Humans
Exposure time: 24 h
Method: Closed patch test
Result: No skin irritation
Concentration: 5 %
GLP: no

Serious eye damage/eye irritation

Species: Rabbit
Result: Mild eye irritation
Concentration: 5 %
Method: OECD Test Guideline 405
GLP: no

Species: Bovine cornea
Result: No eye irritation
Concentration: 100 %
Exposure time: 10 min
Method: OECD 437
GLP: yes

Respiratory or skin sensitisation

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Test Type: Buehler Test
Species: Guinea pig
Method: OECD Test Guideline 406
Result: No sensitizing effect.
Concentration: 5 %
GLP: no

Germ cell mutagenicity

Genotoxicity in vitro : Test Type: Ames test
Metabolic activation: with and without metabolic activation
Method: OECD 471
Result: negative
GLP: yes

Carcinogenicity

IARC Not listed
OSHA Not listed
NTP Not listed

Reproductive toxicity

No data available

STOT - single exposure

No data available

STOT - repeated exposure

No data available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 11.1 mg/l
Exposure time: 96 h
Test Type: semi-static test
Analytical monitoring: yes
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna Straus): 24.1 mg/l
Exposure time: 48 h
Test Type: semi-static test
Analytical monitoring: yes
Method: OECD Test Guideline 202
GLP: yes

Toxicity to algae : ErC50 (Pseudokirchneriella subcapitata (green algae)): 11.4 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

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ErC10 (Pseudokirchneriella subcapitata (green algae)): 6.21 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes

Persistence and degradability

Biodegradability : Test Type: Manometric Respirometry Test
Result: Not readily biodegradable.
Biodegradation: 22 %
Exposure time: 28 d
Method: OECD 301
GLP: yes

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

Additional ecological information : Harmful to aquatic life with long lasting effects.
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with local regulations.
Observe, local, state and federal regulations.
Do not dispose of waste into sewer.
Discharge into the environment must be avoided.
Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents.
Empty containers should be taken to an approved waste handling site for recycling or disposal.
Do not re-use empty containers.
Where possible recycling is preferred to disposal or incineration.

SECTION 14. TRANSPORT INFORMATION

49CFR Road 0 – 25 kg

Not classified as dangerous in the meaning of transport regulations.

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49CFR Road 25 – 400 kg : Not classified as dangerous in the meaning of transport regulations.

49CFR Road > 400 kg : Not classified as dangerous in the meaning of transport regulations.

IMDG : Not classified as dangerous in the meaning of transport regulations.

IATA-DGR : Not classified as dangerous in the meaning of transport regulations.

SECTION 15. REGULATORY INFORMATION

TSCA list

TSCA - 12(b) Export Notification List of Chemicals : Not listed

TSCA - 5(a) Significant New Use Rule List of Chemicals : Not listed

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : Acute Health Hazard

SARA 302 : This material does not contain any components with a SARA 302 RQ.

SARA 313 : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

New Jersey Right To Know

Not listed

California Prop 65

Not listed

SECTION 16. OTHER INFORMATION

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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

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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.