

BENZYL SALICYLATE

Version 1.0

Revision Date 23 DEC 2010

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

1.1 Product identifier

Sales No. : 8813001
BENZYL SALICYLATE

Substance name : BENZYL 2-HYDROXYBENZOATE
Identifier

CAS : 118-58-1
EINECS : 204-262-9

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

Intended Use Fragrances : Perfumery or flavor 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

+41227809700

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin sensitization, Category 1 H317: May cause an allergic skin reaction.
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.
Irritant R43: May cause sensitization by skin contact.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

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Hazard pictograms

:



Signal word

: Warning

Hazard statements

: H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

: **Prevention:**
P261 Avoid breathing dust/ fume/ gas/ mist/
vapours/ spray.
P272 Contaminated work clothing should not be
allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves.
Response:
P302 + P352 IF ON SKIN: Wash with plenty of soap and
water.
P313 Get medical advice/ attention.

Hazardous components which must be listed on the label:

- BENZYL 2-HYDROXYBENZOATE 118-58-1

Labelling according to EC Directives (67/548/EEC)

Hazard pictograms

:



Dangerous
for the
environment

Irritant

R-phrases(s)

: R43 May cause sensitization by skin contact.
R51/53 Toxic to aquatic organisms, may cause
long-term adverse effects in the aquatic
environment.

S-phrases(s)

: S24 Avoid contact with skin.
S37 Wear suitable gloves.
S61 Avoid release to the environment. Refer to
special instructions/ Safety data sheets.

Hazardous components which must be listed on the label:

- BENZYL 2-HYDROXYBENZOATE 118-58-1

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2.3 Other hazards

no data available

3. Composition/information on ingredients**3.1 Substances**

Chemical Name	CAS-No. EINECS-No. / ELINCS No.	Concentration [%]
BENZYL 2-HYDROXYBENZOATE	118-58-1 204-262-9	>= 50 - <= 100

Hydrocarbons : 0 %

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 : 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.
- 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

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4.3 Indication of immediate medical attention and special treatment needed

Treatment : no data available

5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

Special protective equipment for fire-fighters : 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.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : 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.

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

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not applicable

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
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 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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- 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 : 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.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state : liquid
Form : liquid
Colour : colourless, Pale yellow
Taste : not determined
Odour : Floral, Jasmine-like, Balsamic, Mushroom-like
Odour Threshold : 0,1493 ng/l
Flash point : 174 °C Method: closed cup
Lower explosion limit : not determined
Upper explosion limit : not determined
Flammability (solid, gas) : no data available
Oxidizing properties : no data available
Autoignition temperature : > 450 °C
- Decomposition temperature : no data available
Molecular Weight : 228,20 g/mol
pH : no data available
Melting point : 23 °C
Boiling point : 322 °C at 1 013 hPa
Vapour pressure : < 0,0013 hPa at 20 °C
Density : 1 178,87 kg/m³ at 20 °C
Bulk density : not applicable
Water solubility : 7 mg/l at 20 °C
Solubility/qualitative : insoluble
Partition coefficient: n-octanol/water : log Pow: 4
Method: OECD Test Guideline 117
Viscosity, kinematic : 6,4 mm²/s at 59 °C

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Relative vapour density : no data available
Evaporation rate : no data available
Explosive properties : no data available

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

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : LD50 rat
Dose: 2 227 mg/kg

Acute inhalation toxicity : This information is not available.

Acute dermal toxicity : LD50 rabbit
Dose: 14 150 mg/kg

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

Skin corrosion/irritation

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Skin irritation : Species: rabbit
No skin irritation

Serious eye damage/eye irritation

Eye irritation : May cause irreversible eye damage.
Vapours may cause irritation to the eyes, respiratory system
and the skin.

Respiratory or skin sensitization

Sensitisation : Skin sensitization Human
Result: Not sensitizing
at 30 % in Petrolatum
Maximisation Test guinea pig
Result: Causes sensitization.

Germ cell mutagenicity

Genotoxicity in vitro : Ames 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 : No data is available on the product itself.

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

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

Phototoxicity

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Phototoxicity : Phototoxicity
Result:negative

Further information : no data available

12. Ecological information

12.1 Toxicity

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates. : EC50: 2,25 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)

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.
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

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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.

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.

14. Transport information

ADR/RID/ADN

UN number	: 3082
Description of the goods	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl salicylate)
Transport hazard class(es)	: 9
Packing group	: III
Hazard identification No	: 90
Labels	: 9
Tunnel restriction code	: (E)
Environmentally hazardous	: yes

IATA/ICAO

UN number	: 3082
Proper shipping name	: Environmentally hazardous substance, liquid, n.o.s.

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(Benzyl salicylate)
Class : 9
Packing group : III
Labels : 9
Environmentally hazardous : yes

Packing instruction (CAO) : 914
Packing instruction (PAX) : 914
Packing instruction (Ltd. Qty.) : Y914

IMDG

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

Marine pollutant : yes
Benzyl salicylate

15. Regulatory information

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

Water contaminating class (Germany) : WGK 2 water endangering
Number: 3 474

15.2 Chemical Safety Assessment

no data available

16. Other information

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

R43 May cause sensitization by skin contact.
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.

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H317

May cause an allergic skin reaction.

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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