

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006



DUPICAL 4685003

Version 6.4

Revision Date 09 APR 2014

Print Date 12 JUL 2014

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

1.1 Product identifier

Sales No. : 128144
DUPICAL 4685003

Substance name : 4-(OCTAHYDRO-4,7-METHANO-5H-INDEN-5--
YLIDEN)BUTANAL

Identifier
CAS : 30168-23-1
EINECS : 250-078-7

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)

Skin irritation, Category 2 H315: Causes skin irritation.
Eye irritation, Category 2 H319: Causes serious eye irritation.

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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Givaudan[®]

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Hazard pictograms

:



Signal word

: Warning

Hazard statements

: H315
H319

Causes skin irritation.
Causes serious eye irritation.

Precautionary statements

: **Prevention:**
P264
P280

Wash skin thoroughly after handling.
Wear protective gloves/ eye protection/ face protection.

Response:

P302 + P352

IF ON SKIN: Wash with plenty of soap and water.

P332 + P313

If skin irritation occurs: Get medical advice/ attention.

P337 + P313

If eye irritation persists: Get medical advice/ attention.

P362

Take off contaminated clothing and wash before reuse.

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

Hazard pictograms

:



Irritant

R-phrases(s)

: R38

Irritating to skin.

2.3 Other hazards

no data available

SECTION 3. Composition/information on ingredients

3.1 Substances

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Chemical Name	CAS-No. EINECS-No. / ELINCS No.	Concentration [%]
4-(OCTAHYDRO-4,7-METHANO-5H-INDEN-5-YLIDEN)BUTANAL	30168-23-1 250-078-7	>= 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 : If skin irritation persists, call a physician.
If on skin, rinse well with water.
If on clothes, remove clothes.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
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

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : no data available

SECTION 5. Firefighting measures

5.1 Extinguishing media

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

Unsuitable extinguishing media : no data available

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.

SECTION 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 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

not applicable

SECTION 7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Do not breathe vapours/dust.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the

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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.
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

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
Wear face-shield and protective suit for abnormal processing problems.
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.

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When using do not smoke.
Wash hands before breaks and at the end of workday.

Environmental exposure controls

General advice : 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, Lily-of-the-valley, green, Fresh
Odour Threshold	: 0,36 ng/l
Flash point	: 102 °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
Auto-ignition temperature	: no data available
Decomposition temperature	: no data available
Molecular weight	: 204,00 g/mol
pH	: no data available
Melting point	: not determined
Boiling point	: not determined
Vapour pressure	: < 0,0013 hPa at 20 °C
Density	: 1 003,19 kg/m ³ at 20 °C
Bulk density	: not applicable
Water solubility	: no data available
Solubility/qualitative	: no data available
Partition coefficient: n-octanol/water	: log Pow: 4,12
Viscosity, kinematic	: no data available
Relative vapour density	: no data available
Evaporation rate	: no data available
Explosive properties	: no data available

SECTION 10. Stability and reactivity

10.1 Reactivity

none

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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

SECTION 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity : LD50 rat
Dose: > 5 000 mg/kg

Acute inhalation toxicity : This information is not available.

Acute dermal toxicity : LD50 rabbit
Dose: > 5 000 mg/kg

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

Skin corrosion/irritation

Skin irritation : Species: rabbit
Skin irritation

Serious eye damage/eye irritation

Eye irritation : May cause irreversible eye damage.

Respiratory or skin sensitisation

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Sensitisation : Skin sensitization Human
Result: Not sensitizing
at 6 % in Petrolatum
Maximisation Test guinea pig
Result: Does not cause skin sensitisation.

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

Phototoxicity : Phototoxicity rabbit
Result:negative

Further information : no data available

SECTION 12. Ecological information

12.1 Toxicity

Toxicity to fish : no data available

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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: Not inherently biodegradable.
Method: This information is not available.
Result: Not readily biodegradable.
6 %
Method: OECD Test Guideline 301 B

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 (COD) : no data available

Adsorbed organic bound halogens (AOX) : no data available

Additional ecological information : no data available

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SECTION 13. Disposal considerations

13.1 Waste treatment methods

Product : Do not dispose of waste into sewer.
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

Not regulated

IATA/ICAO

Not regulated

IMDG

Not regulated

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

R38 Irritating to skin.

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

H315	Causes skin irritation.
H319	Causes serious eye irritation.

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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