

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Givaudan

JAVANOL

Version 8.0

Revision Date 10 FEB 2016

Print Date 10 FEB 2016

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

1.1 Product identifier

Sales No. : 8754013
JAVANOL

Substance name : (1-METHYL-2-(1,2,2-TRIMETHYLBICYCLO(3.1.0)-HEX-3-YLMETHYL)CYCLOPROPYL)METHANOL(MIXTURE OF DIASTEREOISOMERS)

Identifier

CAS : 198404-98-7
ELINCS : 427-900-1
REACH Registration Number : 01-0000017424-73-0003

If this is a flavouring for foodstuffs, then the exemption from REACH registration applies.

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)

Acute aquatic toxicity, Category 1 H400: Very toxic to aquatic life.
Chronic aquatic toxicity, Category 1 H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Administrative information:

Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/14

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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Givaudan

JAVANOL

Version 8.0

Revision Date 10 FEB 2016

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Hazard pictograms

:



Signal word

: Warning

Hazard statements

: H410

Very toxic to aquatic life with long lasting effects.

Precautionary statements

: **Prevention:**

P273

Avoid release to the environment.

Response:

P391

Collect spillage.

Disposal:

P501

Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards

Hazards not Otherwise Classified.

: None

SECTION 3. Composition/information on ingredients

3.1 Substances

Chemical Name	CAS-No. EINECS-No. / ELINCS No.	Concentration [%]
(1-methyl-2-(1,2,2-trimethylbicyclo(3.1.0)-hex-3-ylmethyl)cyclopropyl)methanol	198404-98-7 427-900-1	>= 90 - <= 100

Hydrocarbons

: 0 %

SECTION 4. First aid measures

4.1 Description of first aid measures

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Sales & Distribution Information: VE01/FR/CH11/01

Shipping Order Information: 12749578/4624249

SAFETY DATA SHEET

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Givaudan

JAVANOL

Version 8.0

Revision Date 10 FEB 2016

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- 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.
- 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

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : no data available

SECTION 5. Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media :
Dry chemical
Alcohol-resistant foam
Carbon dioxide (CO₂)
Water spray
- Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

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JAVANOL

Version 8.0

Revision Date 10 FEB 2016

Print Date 10 FEB 2016

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.

SECTION 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : no data available

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 : Wipe up with absorbent material (e.g. cloth, fleece).
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 : 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.

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Sales & Distribution Information: VE01/FR/CH11/01
Shipping Order Information: 12749578/4624249

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Givaudan

JAVANOL

Version 8.0

Revision Date 10 FEB 2016

Print Date 10 FEB 2016

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

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.

SECTION 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : liquid
Form : liquid

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Shipping Order Information: 12749578/4624249

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Givaudan

JAVANOL

Version 8.0

Revision Date 10 FEB 2016

Print Date 10 FEB 2016

Colour	: colorless to Pale yellow
Taste	: not determined
Odour	: woody
Odour Threshold	: 0,0177 ng/l
Flash point	: 136 °C Method: Pensky-Martens closed cup
Lower explosion limit	: not determined
Upper explosion limit	: not determined
Flammability (solid, gas)	: no data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing. Information taken from reference works and the literature.
Auto-ignition temperature	: 255 °C Method: DIN 51794
Decomposition temperature	: no data available
Molecular weight	: 222,30 g/mol
pH	: no data available
Melting point	: < -50 °C
Boiling point	: 268 °C at 1 013 hPa
Vapour pressure	: 0,0003 hPa at 20 °C Method: OECD Test Guideline 104 0,07 hPa at 50 °C Method: OECD Test Guideline 104
Density	: 946,97 kg/m ³ at 20 °C
Bulk density	: Not applicable
Water solubility	: 3,8 mg/l at 20 °C
Solubility/qualitative	: practically insoluble
Partition coefficient: n-octanol/water	: log Pow: 4,8 Method: OECD Test Guideline 117
Viscosity, dynamic	: 67,2 mPa.s
Viscosity, kinematic	: no data available
Relative vapour density	: no data available
Surface tension	: 41,4 mN/m at 20 °C Method: OECD Test Guideline 115
Evaporation rate	: no data available
Explosive properties	: no data available

SECTION 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.

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Sales & Distribution Information: VE01/FR/CH11/01

Shipping Order Information: 12749578/4624249

JAVANOL

Version 8.0

Revision Date 10 FEB 2016

Print Date 10 FEB 2016

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: > 2 000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : This information is not available.

Acute dermal toxicity : LD50 Rat
Dose: > 2 000 mg/kg
Method: OECD Test Guideline 402

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

Skin corrosion/irritation

Skin irritation : Species: Rabbit
No skin irritation
Method: OECD Test Guideline 404

Serious eye damage/eye irritation

Eye irritation : Species: Rabbit
No eye irritation
Method: OECD Test Guideline 405

Respiratory or skin sensitisation

Administrative information:
Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/14
Sales & Distribution Information: VE01/FR/CH11/01
Shipping Order Information: 12749578/4624249

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Givaudan

JAVANOL

Version 8.0

Revision Date 10 FEB 2016

Print Date 10 FEB 2016

Sensitisation : HRIPT Human
Result: Not sensitizing
at 4 % in Dimethyl phthalate
Maximisation Test (GPMT) Guinea pig
Result: Not sensitizing
Method: OECD Test Guideline 406

Germ cell mutagenicity

Genotoxicity in vitro : Chromosome aberration test in vitro
negative
Method: Mutagenicity (in vitro mammalian cytogenetic test)

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

Ames test
negative
Method: Mutagenicity (Escherichia coli - 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 : Species: Rat, male and female
NOAEL: 20 mg/kg
Method: OECD Test Guideline 407
Repeated dose (28 days) toxicity (oral)

Aspiration hazard

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

Phototoxicity

Administrative information:
Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/14
Sales & Distribution Information: VE01/FR/CH11/01
Shipping Order Information: 12749578/4624249

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Givaudan

JAVANOL

Version 8.0

Revision Date 10 FEB 2016

Print Date 10 FEB 2016

Phototoxicity : UV-VIS absorption spectra
Result:negative

Further information : no data available

SECTION 12. Ecological information

12.1 Toxicity

Toxicity to fish : LC50: 1 mg/l
Exposure time: 96 h

Species: Cyprinus carpio (Carp)
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50: 0,38 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 202

Toxicity to algae : ErC50: 0,74 mg/l
Exposure time: 72 h
Species: Selenastrum capricornutum (green algae)
Method: OECD Test Guideline 201

M-Factor
(1-methyl-2-(1,2,2-trimethylbicyclo(3.1.0)-hex-3-ylmethyl)cyclopropyl)methanol : 1

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

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Sales & Distribution Information: VE01/FR/CH11/01

Shipping Order Information: 12749578/4624249

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Givaudan

JAVANOL

Version 8.0

Revision Date 10 FEB 2016

Print Date 10 FEB 2016

Biodegradability : Result: Not readily biodegradable.
0 %
Method: OECD Test Guideline 301 F
Result: Not inherently biodegradable.
0 %
Method: OECD Test Guideline 302 C

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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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. Very toxic to aquatic life with long lasting effects.

SECTION 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.

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Report Information: SDS_EU/EN/GHS_SDS_EU_REGION/14

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Shipping Order Information: 12749578/4624249

SAFETY DATA SHEET

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Givaudan

JAVANOL

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Dispose of as unused product.
Do not re-use empty containers.

Dispose of in accordance with local regulations.

SECTION 14. Transport information

ADR/RID/ADN

UN number : 3082
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(Methyl-trimethylbicyclo-hexylmethyl-cyclopropyl methanol)
Transport hazard class(es) : 9
Packing group : III
Hazard Identification Number : 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.
(Methyl-trimethylbicyclo-hexylmethyl-cyclopropyl methanol)
Class : 9
Packing group : III
Labels : 9
Environmentally hazardous : yes

Packing instruction (CAO) : 964
Packing instruction (PAX) : 964
Packing instruction (Ltd. Qty.) : Y964

IMDG

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

Marine pollutant : yes
Methyl-trimethylbicyclo-hexylmethyl-cyclopropyl methanol
IMDG Code Segregation : None

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Sales & Distribution Information: VE01/FR/CH11/01

Shipping Order Information: 12749578/4624249

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JAVANOL

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Revision Date 10 FEB 2016

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Group

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) Number: 8
Classification according to appendix 3
ZDE_WGK Update: 2013-02-28

15.2 Chemical Safety Assessment

no data available

SECTION 16. Other information

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

H400 Very toxic to aquatic life.
H410 Very 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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