

659616 POIVROL®

Version 6

Revision Date 30.06.2014

Print Date 12.09.2014

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Commercial Product Name : POIVROL®
Material number : 659616
Substance name : Methyl 4(or 1)-isopropyl-1(or 4)-methylbicyclo[2.2.2]oct-5-ene-2-carboxylate
CAS-No. : 68966-86-9
EC-No. : 273-453-7

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

Use of the Substance/Mixture : Fragrance

1.3 Details of the supplier of the safety data sheet

Company : Holzminden
Muehlenfeldstrasse 1
D-37603 Holzminden
Telephone : +495531900
Telefax : +495531901649
E-mail address : sds@symrise.com

For further information, please contact:
Symrise AG - Tel.: +49 / (0)5531 / 90-0

1.4 Emergency telephone number

Symrise AG - Tel.: +49 / (0)5531 / 90-0

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Chronic aquatic toxicity, Category 2 H411

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

N; R51/53

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



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Hazard statements	: H411	Toxic to aquatic life with long lasting effects.
Precautionary statements	: Prevention: P273 Response: P391 Disposal: P501	Avoid release to the environment. Collect spillage. Dispose of contents/ container to an approved waste disposal plant.

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

Symbol(s)	: N	Dangerous for the environment
R-phrases(s)	: R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
S-phrases(s)	: S61	Avoid release to the environment. Refer to special instructions/ Safety data sheets.

2.3 Other hazards

no data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical characterization	: Methyl 4(or 1)-isopropyl-1(or 4)-methylbicyclo[2.2.2]oct-5-ene-2-carboxylate
Molecular weight	: 222,28 g/mol
Total formula	: C14-H22-O2
CAS-No.	: 68966-86-9
EINECS-No. / ELINCS No.	: 273-453-7

3.2 Mixtures

Hazardous components

not applicable

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice	: Move out of dangerous area. Never give anything by mouth to an unconscious person.
Inhalation	: Move to fresh air.
Skin contact	: Wash off with soap and water.
Eye contact	: Immediately flush eye(s) with plenty of water.

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Ingestion : Prevent vomiting if possible.
If a person vomits when lying on his back, place him in the recovery position.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

no data available

4.3 Indication of any immediate medical attention and special treatment needed

no data available

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which shall not be used for safety reasons : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.
Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : In the event of fire and/or explosion do not breathe fumes.
Use water spray to cool unopened containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.

6.2 Environmental precautions

Environmental precautions : Should not be released into the environment.
Avoid subsoil penetration.
Prevent further leakage or spillage if safe to do so.
If the product contaminates rivers and lakes or drains inform respective authorities.

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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).
Dam up.
Wipe up with absorbent material (e.g. cloth, fleece).
- Additional advice : Local authorities should be advised if significant spillages cannot be contained.
Suppress (knock down) gases/vapours/mists with a water spray jet.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

- Advice on safe handling : Dispose of rinse water in accordance with local and national regulations.
For personal protection see section 8.
- Advice on protection against fire and explosion : When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Store in original container.
Keep container tightly closed in a dry and well-ventilated place.
To maintain product quality, do not store in heat or direct sunlight.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
- Advice on common storage : No special restrictions on storage with other products.
- Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Fragrance

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

none

8.2 Exposure controls

Engineering measures

none

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection : Wear chemicals-resistant gloves, e.g. safety gloves of chloroprene Level 2 or of butyl rubber Level 6.

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Eye protection	:	Safety glasses
Skin and body protection	:	Remove and wash contaminated clothing before re-use.
Hygiene measures	:	Wash hands before breaks and immediately after handling the product.
Protective measures	:	When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Form	:	clear liquid
Colour	:	colorless to pale yellow
Odour	:	characteristic

Safety data

Flash point	:	116 °C
Water solubility	:	immiscible
Relative density	:	0,9974 - 1,0024 at 20 °C (relation to density of water at 4°C)
Vapour pressure	:	< 1 kPa at 50 °C (calculated)
Boiling point	:	no data available
Melting point/freezing point	:	no data available
Partition coefficient: n-octanol/water	:	log Pow: 4,62
pH	:	no data available
Viscosity, dynamic	:	no data available
Viscosity, kinematic	:	no data available
Evaporation rate	:	no data available
Flammability (solid, gas)	:	no data available
Ignition temperature	:	no data available
Minimum ignition energy	:	no data available
Auto-ignition temperature	:	no data available
Oxidizing properties	:	no data available
Lower explosion limit	:	no data available
Upper explosion limit	:	no data available
Conductivity	:	no data available
Bulk density	:	no data available

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Solubility/qualitative : no data available
Solubility in other solvents : no data available
Impact sensitivity : no data available
Burning number : no data available
Relative vapour density : no data available

9.2 Other data

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity : no data available
10.2 Chemical stability : no data available
10.3 Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.
10.4 Conditions to avoid : no data available
10.5 Incompatible materials to avoid : no data available
10.6 Hazardous decomposition products : no data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity : LD50 Oral rat: > 2.000 mg/kg, OECD Test Guideline 401
Acute inhalation toxicity : no data available
Acute dermal toxicity : no data available
Repeated dose toxicity : no data available
Acute toxicity (other routes of administration) : no data available
Skin irritation : rabbit: Mild skin irritation @ 30 %
Eye irritation : no data available
Sensitisation : guinea pig: No sensitizing effect. @ 30 %
Mutagenicity : no data available
Carcinogenicity : no data available
Reproductive toxicity : no data available
Teratogenicity : no data available

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Specific target organ toxicity : no data available
- single exposure

Specific target organ toxicity : no data available
- repeated exposure

Aspiration toxicity : no data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity Aquatic : EC50: 7,98 mg/l/48 h; Daphnia magna (Water flea), OECD Test
invertebrates Guideline 202

12.2 Persistence and degradability

Not readily biodegradable.
7,5 %/28 d, BODIS
Not readily biodegradable.
2 %/28 d, OECD 301D

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

no data available

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

Toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product : Where possible recycling is preferred to disposal or incineration.
If recycling is not practicable, dispose of in compliance with local
regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR : 3082
RID : 3082
IMDG : 3082
IATA-DGR : 3082

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14.2 Proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Methyl 4(or 1)-isopropyl-1(or 4)-methylbicyclo[2.2.2]oct-5-ene-2-carboxylate)
RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Methyl 4(or 1)-isopropyl-1(or 4)-methylbicyclo[2.2.2]oct-5-ene-2-carboxylate)
IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Methyl 4(or 1)-isopropyl-1(or 4)-methylbicyclo[2.2.2]oct-5-ene-2-carboxylate)MP
IATA-DGR : Environmentally hazardous substance, liquid, n.o.s. (Methyl 4(or 1)-isopropyl-1(or 4)-methylbicyclo[2.2.2]oct-5-ene-2-carboxylate)

14.3 Transport hazard class

ADR : 9
RID : 9
IMDG : 9
IATA-DGR : 9

14.4 Packing group

ADR:
Packaging group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9
Tunnel restriction code : (E)

RID:
Packaging group : III
Classification Code : M6
Hazard Identification Number : 90
Labels : 9

IMDG:
Packaging group : III
Labels : 9
EmS - EmS : F-A , S-F

IATA-DGR:
Packing instruction (cargo aircraft) : 964
Qty/Pkg (Cargo) : 450,00 L
Packing instruction (passenger aircraft) : 964
Qty/Pkg (Passenger) : 450,00 L
Packaging group : III
Labels : 9MI

14.5 Environmental hazards

ADR:
Environmentally hazardous : yes

RID:
Environmentally hazardous : yes

IMDG:
Marine pollutant : yes

IATA-DGR:
Environmentally hazardous : yes

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14.6 Special precautions for user

no data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

SECTION 15: REGULATORY INFORMATION

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

National legislation

Risk classification according to BetrSichV (Germany) : Exempt

Water contaminating class (Germany) : WGK 2 (water endangering)

15.2 Chemical Safety Assessment

no data available

SECTION 16: OTHER INFORMATION

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

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.:

H411 Toxic to aquatic life with long lasting effects.

Further information

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.

Any data changes with reference to previous versions are marked by a vertical line in front of the concerned paragraph.