

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

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Product **GOS404 - PKS404 FRAGRANCE PINE TREE**
Version **11.0** Revisiondate **01-02-2024** Printdate **22-10-2024**

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

1.1 Product identifier MULTI-COMPONENT MIXTURE
Product code Fragrance oil for candles - Christmas tree / Pine tree - PKS404
Fragrance oil for cosmetics / soaps / melts - Christmas tree / Pine tree - GOS404
UFI :EX50-H01R-V009-AN95

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

Intended Use Fragrances Perfume compound

1.3 Details of the supplier of the safety data sheet

Company SoapQueen Europe
Veilingdreef 20
4614RX Bergen op Zoom, Nederland
website: www.soapqueen.nl
Telephone: +31 (0)164 254900

1.4 Emergency telephone number Tel +31 (0) 88 755 8000 (Nationaal Vergiftigingen Informatie Centrum (NVIC))
EUROPE: +44 1235 239670
REST OF THE WORLD - +44 1865 407333 (English only)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

H315 Causes skin irritation. Skin corrosion/irritation (SCI) Category 2
H317 May cause an allergic skin reaction. Sensitization, skin (SS 1 / 1B) Category 1
H319 Causes serious eye irritation. Serious eye damage/eye irritation (EDI) Category 2A
H411 Toxic to aquatic life with long lasting effects. Hazardous to the aquatic environment, long-term hazard (EH C) Category 2

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



GHS07



GHS09

Signalword WARNING

Hazard statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H411 Toxic to aquatic life with long lasting effects.

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Precautionary statements

Prevention P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Response P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P361 Remove/Take off immediately all contaminated clothing.
P391 Collect spillage.

Hazardous components which must be listed on the label:

2-methylundecanal
iso-amyl oxyacetic acid allylester
citral
3,7-dimethyl-6-octen-1-ol (dl-citronellol)
coumarine
2,6-dimethyl-7-octen-2-ol
isohexenyl tetrahydro benzaldehyde
1,8-cineole
phenol, 4allyl-2-methoxy
trans-3,7-dimethyl-2,6-octadien-1-ol (geraniol)
2-hexyl-3-phenyl-2-propenal (trans & cis)
7-acetyl-(1,8)-octahydro-1,1,6,7-tetramethylnaphthalene
2,4-dimethylcyclohexene-3-carbaldehyde
limonene
linalool
linalyl acetate
dihydro-alpha-terpineol
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one
1,6-octadiene,7-methyl-3-methylene-
para cymene
alpha-pinene
1-methyl-4-(1-methylethyl)-1,4-cyclo-
methyl atrarate
acetyl cedrene

2.3 Other hazards

This substance/mixture does not contain components classified as persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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3. Composition/information on ingredients

3.2 Mixtures

Hazardous components

<u>Chemical Name</u>	<u>CAS-Nr.</u> <u>REACH reg.</u>	<u>(REGULATION (EC) No 1272/2008)</u>	<u>Concentration [%]</u>
2-methylundecanal	110-41-8 01-2119969443-29-xxxx	H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H410Hazardous to the aquatic environment, long-term hazard (EH C)Category 1 M Factor Acute 1; Chronic 1	1 - 5%
iso-amyl oxyacetic acid allylester	67634-00-8 01-2120795456-39-xxxx	H302Acute toxicity, oral (ATO)Category 4 H315Skin corrosion/irritation (SCI)Category 2 H330Acute toxicity, inhalation (ATI)1, 2 Acute toxicity estimate Acute oral toxicity 500 mg/kg	0.1 - 1%
citral	5392-40-5 01-2119462829-23-xxxx	H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H319Serious eye damage/eye irritation (ED)Category 2A Acute toxicity estimate Acute oral toxicity 6800 mg/kg	0.1 - 1%
3,7-dimethyl-6-octen-1-ol (dl-citronellol)	106-22-9 01-2119453995-23-xxxx	H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H319Serious eye damage/eye irritation (ED)Category 2A Acute toxicity estimate Acute oral toxicity 3450 mg/kg Acute dermal toxicity 2650 mg/kg	0.1 - 1%

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Version	11.0					
coumarine	91-64-5		H302Acute toxicity, oral (ATO)Category 4 H317Sensitization, skin (SS 1 / 1B)Category 1			0.1 - 1%
	01-2119949300-45-xxxx					
<hr/>						
2,6-dimethyl-7-octen-2-ol	18479-58-8		H315Skin corrosion/irritation (SCI)Category 2 H319Serious eye damage/eye irritation (ED)Category 2A H336Specific target organ toxicity, single exposure; Narcotic effects (STO-SE (NE))3			1 - 5%
	01-2119457274-37-xxxx					
			Acute toxicity estimate Acute oral toxicity	3020 mg/kg		
<hr/>						
isohexenyl tetrahydro benzaldehyde	37677-14-8		H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H318Serious eye damage/eye irritation (ED)1 H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H410Hazardous to the aquatic environment, long-term hazard (EH C)Category 1			0.1 - 1%
	01-2120769662-44-xxxx					
			M Factor	Acute 1; Chronic 1		
<hr/>						
1,8-cineole	470-82-6		H226Flammable liquids (FL)Category 3 H317Sensitization, skin (SS 1 / 1B)Category 1			1 - 5%
	01-2119967772-24-xxxx					
			Acute toxicity estimate Acute oral toxicity	2480 mg/kg		
<hr/>						
phenol, 4allyl-2-methoxy	97-53-0		H317Sensitization, skin (SS 1 / 1B)Category 1 H319Serious eye damage/eye irritation (ED)Category 2A			0.1 - 1%
	01-2119971802-33-xxxx					
			Acute toxicity estimate Acute oral toxicity	2500 mg/kg		
<hr/>						
trans-3,7-dimethyl-2,6-octadien-1-ol (geraniol)	106-24-1		H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H318Serious eye damage/eye irritation (ED)1			0.1 - 1%
	01-2119552430-49-xxxx					
			Acute toxicity estimate Acute oral toxicity	3600 mg/kg		

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Version	11.0					
2-hexyl-3-phenyl-2-propenal (trans & cis)	101-86-0		H317Sensitization, skin (SS 1 / 1B)Category 1 H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2			1 - 5%
	01-2119533092-50-xxxx		<hr/> M Factor Acute 1 Acute toxicity estimate Acute oral toxicity 3100 mg/kg			
7-acetyl-(1,8)-octahydro-1,1,6,7-tetramethylnaphthalene	54464-57-2		H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H410Hazardous to the aquatic environment, long-term hazard (EH C)Category 1			0.1 - 1%
	01-2119489989-04-xxxx		<hr/>			
2,4-dimethylcyclohexene-3-carbaldehyde	68039-49-6		H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2			0.1 - 1%
	01-2119982384-28-xxxx		<hr/> Acute toxicity estimate Acute oral toxicity 2330 mg/kg			
limonene	5989-27-5		H226Flammable liquids (FL)Category 3 H304Aspiration hazard (AH)Category 1 H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H412Hazardous to the aquatic environment, long-term hazard (EH C)Category 3			5 - 10%
	01-2119529223-47-xxxx		<hr/> M Factor Acute 1 Acute toxicity estimate Acute oral toxicity >2000 mg/kg			
linalool	78-70-6		H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H319Serious eye damage/eye irritation (ED1)Category 2A			0.1 - 1%
	01-2119474016-42-xxxx		<hr/> Acute toxicity estimate Acute oral toxicity 2790 mg/kg			
linalyl acetate	115-95-7		H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1			0.1 - 1%
	01-2119454789-19-xxxx		<hr/>			

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dihydro-alpha-terpineol	498-81-7		H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H319Serious eye damage/eye irritation (EDI)Category 2A			0.1 - 1%
	01-2119983276-26-xxxx					
			Acute toxicity estimate			
			Acute oral toxicity	2500 mg/kg		
3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one	127-51-5		H317Sensitization, skin (SS 1 / 1B)Category 1 H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2			0.1 - 1%
	01-2120138569-45-xxxx					
1,6-octadiene,7-methyl-3-methylene-	123-35-3		H226Flammable liquids (FL)Category 3 H304Aspiration hazard (AH)Category 1 H315Skin corrosion/irritation (SCI)Category 2 H319Serious eye damage/eye irritation (EDI)Category 2A H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2			0.1 - 1%
	01-2119514321-56-xxxx					
			M Factor	Acute 1		
para cymene	99-87-6		H226Flammable liquids (FL)Category 3 H304Aspiration hazard (AH)Category 1 H331Acute toxicity, inhalation (AT)3 H361Reproductive toxicity (REP)2 H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2			0.1 - 1%
	01-2119881770-31-xxxx					
			Acute toxicity estimate			
			Acute oral toxicity	4750 mg/kg		
			Acute inhalation toxicity:	9.7 mg/L		
alpha-pinene	80-56-8		H226Flammable liquids (FL)Category 3 H302Acute toxicity, oral (ATO)Category 4 H304Aspiration hazard (AH)Category 1 H315Skin corrosion/irritation (SCI)Category 2 H317Sensitization, skin (SS 1 / 1B)Category 1 H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1 H410Hazardous to the aquatic environment, long-term hazard (EH C)Category 1			0.1 - 1%
	01-2119519223-49-xxxx					
			M Factor	Acute 1; Chronic 1		
			Acute toxicity estimate			
			Acute oral toxicity	500 mg/kg		
1-methyl-4-(1-methylethyl)-1,4-cyclo-	99-85-4		H226Flammable liquids (FL)Category 3 H304Aspiration hazard (AH)Category 1 H361Reproductive toxicity (REP)2 H411Hazardous to the aquatic environment, long-term hazard (EH C)Category 2			0.1 - 1%
	01-2120780478-40-xxxx					
			Acute toxicity estimate			
			Acute oral toxicity	3650 mg/kg		

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methyl atrarate 4707-47-5 H317Sensitization, skin (SS 1 / 1B)Category 1 0.1 - 1%

01-2120762759-36-xxxx

acetyl cedrene 32388-55-9 H317Sensitization, skin (SS 1 / 1B)Category 1 0.1 - 1%
H400Hazardous to the aquatic environment, acute hazard (EH A)Category 1
H410Hazardous to the aquatic environment, long-term hazard (EH C)Category 1

01-2119969651-28-xxxx

M Factor Acute 1; Chronic 1
Acute toxicity estimate
Acute oral toxicity 4500 mg/kg

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For the full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

General advice	Move out of dangerous area. Consult a physician. 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	In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. 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 induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	no data available
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4.3 Indication of any immediate medical attention and special treatment needed

Treatment	no data available
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5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Dry chemical Alcohol-resistant foam Carbon dioxide (CO ₂) 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.
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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.
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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.
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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). Keep in suitable, closed containers for disposal.
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6.4 Reference to other sections

not applicable

7. Handling and storage

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7.1 Precautions for safe handling

Advice on safe handling	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. To avoid spills during handling keep bottle on a metal tray. 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
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8. Exposure controls/personal protection

8.1 Control parameters

ACETOPHENON

Workingprogram : Limits Denemarken 2007 Limits : 10 parts per million Publication : Arbejdstilsynet; Grænseværdier for stoffer og materialer, augustus 2007 (publicatie C.0.1)
Workingprogram : Limits België 2009 Limits : 10 parts per million Publication : Belgisch Staatsblad 19 mei 2009; N. 2009 - 2065
Workingprogram : Limits Spanje 2010 Limits : 10 parts per million Publication : Límites de Exposición Profesional para Agentes Químicos en España, Mayo 2010; Ministerio de Trabajo e Inmigración, INSHT
Workingprogram : Werkprogramma Overname buitenlandse Limits (dossier 11) Limits : 49 milligram per kubieke meter
Workingprogram : Limits Finland 2007 Limits : 5 parts per million Publication : Julkaisuja 2007:4

BENZYL ACETATE

Workingprogram : Limits Denemarken 2007 Limits : 10 parts per million Publication : Arbejdstilsynet; Grænseværdier for stoffer og materialer, augustus 2007 (publicatie C.0.1)
Workingprogram : Limits België 2009 Limits : 10 parts per million Publication : Belgisch Staatsblad 19 mei 2009; N. 2009 - 2065
Workingprogram : Limits Spanje 2010 Limits : 10 parts per million Publication : Límites de Exposición Profesional para Agentes Químicos en España, Mayo 2010; Ministerio de Trabajo e Inmigración, INSHT

CAMPHOR

Workingprogram : Limits Finland 2007 Limits : 0,3 parts per million Publication : Julkaisuja 2007:4
Workingprogram : Limits Denemarken 2007 Limits : 2 parts per million Publication : Arbejdstilsynet; Grænseværdier for stoffer og materialer, augustus 007 (publicatie C.0.1)
Workingprogram : Limits Frankrijk 2008 Limits : 2 parts per million Publication : Valeurs limites d'exposition professionnelle aux agents chimiques en France; INRS ED 984; juni 2008
Workingprogram : Limits Noorwegen 2010 Limits : 2 parts per million Publication : Administrative normer for forurensning i arbeidsatmosfaere; 13. utgave november 2009; Arbejdstilsynet
Workingprogram : Limits België 2009 Limits : 2 parts per million Publication : Belgisch Staatsblad 19 mei 2009; N. 2009 - 2065
Workingprogram : Limits Oostenrijk 2007 Limits : 2 parts per million Publication : Grenzwerteverordnung 2007 - GKV 2007
Workingprogram : Limits Zwitserland Limits : 2 parts per million Publication : SuvaPro Grenzwerte am Arbeitsplatz 2009
Workingprogram : Limits Verenigd Koninkrijk 2007 Limits : 2 parts per million Publication : EH40/2005
Workingprogram : Limits Spanje 2010 Limits : 2 parts per million Publication : Límites de Exposición Profesional para Agentes Químicos en España, Mayo 2010; Ministerio de Trabajo e Inmigración, INSHT

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Workingprogram : Werkprogramma Herevaluatie bestaande Limits Limits : Publication : 2000/15 OSH/018

DIPROPYLENE GLYCOL

Workingprogram : Limits Zwitserland Limits : 200 milligram per kubieke meter inhaleerbare fractie Publication : SuvaPro Grenzwerte am Arbeitsplatz 2009

Workingprogram : Limits Duitsland-AGS Limits : 67 milligram per kubieke meter inhaleerbare fractie Publication : TRGS 900

LIMONENE

Workingprogram : Werkprogramma Overname buitenlandse Limits (dossier 11) Limits : 110 milligram per kubieke meter Publication : 38975

Workingprogram : Limits Duitsland-AGS Limits : 20 parts per million Publication : TRGS 900

Workingprogram : Limits Zwitserland Limits : 20 parts per million Publication : SuvaPro Grenzwerte am Arbeitsplatz 2009

Workingprogram : Limits Noorwegen 2010 Limits : 25 parts per million Publication : Administrative normer for forurensning i arbeidsatmosfaere; 13.

uitgave november 2009; Arbeidstilsynet

Workingprogram : Limits Noorwegen 2010 Limits : 25 parts per million Publication : Administrative normer for forurensning i arbeidsatmosfaere; 13.

uitgave november 2009; Arbeidstilsynet

Workingprogram : Limits Finland 2007 Limits : 25 parts per million Publication : Julkaisuja 2004:4

PARA CYMENE

Workingprogram : Limits Denemarken 2007 Limits : 25 parts per million Publication : Arbejdstilsynet; Grænseværdier for stoffer og materialer, augustus 2007 (publicatie C.0.1)

Workingprogram : Limits Zweden 2005 Limits : 25 parts per million Publication : AFS 2005:17

PINENE ALPHA

Workingprogram : Limits België 2009 Limits : 20 parts per million Publication : Belgisch Staatsblad 19 mei 2009; N. 2009- -2065

Workingprogram : Limits Zweden 2005 Limits : 25 parts per million Publication : AFS 2005:17

Workingprogram : Limits Noorwegen 2010 Limits : 25 parts per million Publication : Administrative normer for forurensning i arbeidsatmosfaere; 13. utgave november 2009; Arbeidstilsynet

PINENE BETA

8.2 Exposure controls

Personal protective equipment

Hand protection	Use protective gloves. Gloves must comply with standard EN 374-1/2/3. Suitable material: Nitrile Breakthrough time (maximum wearing time): >30 min. Thickness of the material: 0.13 mm
Eye protection	Eye wash bottle with pure water Tightly fitting, approved safety goggles with side shields with standard EN166. 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. When using do not smoke. 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.
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9. Physical and chemical properties

9.1 Information on basic physical and chemical properti

Physical state	liquid
Form	liquid
Color	Colorless to slightly yellow liquid
Odor	not determined
Odour Threshold	not applicable
Flash point	89°C
Lower explosion limit	not determined
Upper explosion limit	not determined
Flammability (solid, gas)	not applicable
Oxidizing properties	not applicable
Autoignition temperature	not determined

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Decomposition temperature	no data available
pH	not determined
Melting point	not determined
Boiling point	not determined
Vapour pressure	not determined
Density	0,907
Bulk density	not applicable
Water solubility	not determined
Solubility/qualitative	practically insoluble
Partition coeff noctanol/H2O	not applicable
Viscosity, kinematic	no data available
Relative vapour density	no data available
Evaporation rate	no data available
Explosive properties	no data available

9.2 Other information not applicable

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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute orale toxicity Estimated Acute toxicity Dosis mg/kg : 2922
Method Calculationmethod

Acute inhalation toxicity Estimated Acute toxicity Dosis mg/ltr :
Method Calculationmethod No data is available on the product itself.

Acute dermale toxicity Estimated Acute toxicity Dosis mg/kg : 4773
Method Calculationmethod

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

Skin corrosion/irritation
Skin irritation No data is available on the product itself.

Serious eye damage/eye irritation
Eye irritation No data is available on the product itself.

Respiratory or skin sensitization
Sensitisation No data is available on the product itself.

Germ cell mutagenicity
Germ cell mutagenicity No data is available on the product itself.

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

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Target Organ Systemic Toxicant - Repeated exposure
No data is available on the product itself.

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

Phototoxicity
Phototoxicity No data is available on the product itself.

Further information no data available

11.2 Information on other hazards

Endocrine disrupting properties **Assessment**

This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information no data available

12. Ecological information

12.1 Toxicity

Toxicity to fish no data available
Toxicity to daphnia and other aquatic invertebrates. no data available
Toxicity to algae no data available

12.2 Persistence and degradability

Biodegradability no data available
Biodegradability BO (Biodegradable Organics) % 95,7

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 Environmental fate and pathways no data available
Physico-chemical removability no data available

12.5 Results of PBT and vPvB assessment

Assessment

This substance/mixture does not contain components classified as persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Assessment

This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Biochemical Oxygen Demand (BOD)

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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.

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 UNnumber UN-number 3082 (Environmentally hazardous substance, liquid, N.O.S.)
Description of Goods (2-methylundecanal & 2-hexyl-3-phenyl-2-propenal (trans & cis))
Transportclass and packaging group 9 PG III
Dangerous for the environment yes
Additional information Special Provision 375: this product is not subject to the other provisions of the ADR when transported in sizes of ≤5L or ≤5kg, provided that the packaging complies with the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IATA/ICAO UNnumber UN-number 3082 (Environmentally hazardous substance, liquid, N.O.S.)
Description of Goods (2-methylundecanal & 2-hexyl-3-phenyl-2-propenal (trans & cis))
Transportclass and packaging group 9 PG III
Dangerous for the environment yes
Additional information Special Provision A197: this product is not subject to the other provisions of IATA when transported in sizes of ≤5L or ≤5kg, provided that the packaging complies with the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8 .

IMDG UNnumber UN-number 3082 (Environmentally hazardous substance, liquid, N.O.S.)
Description of Goods (2-methylundecanal & 2-hexyl-3-phenyl-2-propenal (trans & cis))
Transportclass and packaging group 9 PG III
marine pollution yes
Additional information
IMDG 2.10.2.7: this product is not subject to the other provisions of the IMDG when transported in sizes of ≤5L or ≤5kg, provided that the packages comply with the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

15. Regulatory information

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

ABM Cat Water hazard class NL (ABM) Cat A2
WGK WGK3

15.2 Chemical Safety Assessment

A chemical safety assessment is not required for this substance

16. Other information

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

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H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H336 May cause drowsiness or dizziness.
H361 Suspected of damaging fertility or the unborn child <state specific effect if known> <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful 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.