

Safety Data Sheet

acc. to Regulation (EC) No. 1907/2006 (REACH)

Frag. Refill 20hr pck2 CL CVR

Version number: 1.0

Date of compilation: 15.10.2021

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

1.1 Product identifier

Trade name

Frag. Refill 20hr pck2 CL CVR

Fragranced candles Cedarwood & Vetiver

Article number

101925030516

Barcode



8 717847 157232

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

Relevant identified uses

Fragranced candles

Consumer use (private households)

1.3 Details of the supplier of the safety data sheet

Bolsius International BV
Kerkendijk 126
5482 KK Schijndel
Netherlands

Telephone: +31 (0)73 5433000

Telefax: +31 (0)73 5433350

Website: www.bolsius.com

e-mail (competent person)

qi@nl.bolsius.com

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification acc. to GHS

This mixture does not meet the criteria for classification.

Code	Supplemental hazard information
EUH208	contains 4-TERT-BUTYLCYCLOHEXYL ACETATE, TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES, BENZYL SALICYLATE. May produce an allergic reaction

2.2 Label elements

Labelling

- Signal word Not required.

- Pictograms Not required.

- Precautionary statements

P102 Keep out of reach of children.

Child-resistant fastening

(not required)

Tactile warning of danger

(not required)

2.3 Other hazards

Of no significance.

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Hazards not otherwise classified

Contains 4-TERT-BUTYLCYCLOHEXYL ACETATE, TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES, BENZYL SALICYLATE. May produce an allergic reaction.

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not relevant (mixture)

3.2 Mixtures

The product does not contain any (other) ingredients which are classified according to present knowledge of the supplier and contribute to the classification of the substance and hence require reporting in this section.

Name of substance	Identifier	Wt%	Classification acc. to GHS	Pictograms	Notes
4-TERT-BUTYLCYCLOHEXYL ACETATE	CAS No 32210-23-4	< 1	Skin Sens. 1B / H317		
TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES	CAS No 54464-57-2	< 1	Skin Irrit. 2 / H315 Skin Sens. 1 / H317 Aquatic Chronic 1 / H410	 	
BENZYL SALICYLATE	CAS No 118-58-1	< 1	Eye Irrit. 2 / H319 Skin Sens. 1B / H317 Aquatic Chronic 3 / H412		

Remarks

For full text of H-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

Following inhalation

Provide fresh air. If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions.

Following skin contact

After contact with molten product, cool skin area rapidly with cold water.

Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart.

Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Call a POISON CENTER or doctor if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Not expected to present a significant hazard under anticipated conditions of normal use.

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4.3 Indication of any immediate medical attention and special treatment needed

For specialist advice physicians should contact the poison centre.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water mist; Foam; Dry extinguishing powder; Carbon dioxide (CO₂)

Unsuitable extinguishing media

Water jet.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

During fire hazardous fumes/smoke could be produced. Nitrogen oxides (NO_x). Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3 Advice for firefighters

Keep containers cool with water spray. In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

Special protective equipment for firefighters

Self-contained breathing apparatus (EN 133). Standard protective clothing for firefighters.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Remove persons to safety. Ventilate affected area.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases. Use personal protective equipment as required.

6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it.

6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains. Take up mechanically.

Advice on how to clean up a spill

Leave the product to solidify. Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Recommendations

- Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Use only in well-ventilated areas. Ground/bond container and receiving equipment.

Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs. Special danger of slipping by leaking/spilling product.

7.2 Conditions for safe storage, including any incompatibilities

Managing of associated risks

- Flammability hazards

Keep away from sources of ignition - No smoking.

- Incompatible substances or mixtures

Keep away from alkalis, oxidising substances, acids.

Control of effects

Protect against external exposure, such as

High temperatures. UV-radiation/sunlight.

Consideration of other advice

Store in a well-ventilated place. Keep container tightly closed.

7.3 Specific end use(s)

Candle.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

National limit values

No information available.

Relevant DNELs/DMELs/PNECs and other threshold levels

Relevant DNELs of components of the mixture						
Name of substance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
BENZYL SALICYLATE	118-58-1	DNEL	3.17 mg/m ³	human, inhalatory	worker (industry)	chronic - systemic effects
BENZYL SALICYLATE	118-58-1	DNEL	0.9 mg/kg bw/day	human, dermal	worker (industry)	chronic - systemic effects
BENZYL SALICYLATE	118-58-1	DNEL	0.78 mg/m ³	human, inhalatory	consumer (private households)	chronic - systemic effects
BENZYL SALICYLATE	118-58-1	DNEL	0.45 mg/kg bw/day	human, dermal	consumer (private households)	chronic - systemic effects



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Relevant DNELs of components of the mixture						
Name of sub-stance	CAS No	End-point	Threshold level	Protection goal, route of exposure	Used in	Exposure time
BENZYL SALICYLATE	118-58-1	DNEL	0.45 mg/kg bw/day	human, oral	consumer (private households)	chronic - systemic effects

Relevant PNECs of components of the mixture						
Name of sub-stance	CAS No	End-point	Threshold level	Organism	Environmental compartment	Exposure time
4-TERT-BUTYLCYCLOHEXYL ACETATE	32210-23-4	PNEC	5.3 µg/l	aquatic organisms	freshwater	short-term (single instance)
4-TERT-BUTYLCYCLOHEXYL ACETATE	32210-23-4	PNEC	0.53 µg/l	aquatic organisms	marine water	short-term (single instance)
4-TERT-BUTYLCYCLOHEXYL ACETATE	32210-23-4	PNEC	12.2 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
4-TERT-BUTYLCYCLOHEXYL ACETATE	32210-23-4	PNEC	2.01 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
4-TERT-BUTYLCYCLOHEXYL ACETATE	32210-23-4	PNEC	0.21 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
4-TERT-BUTYLCYCLOHEXYL ACETATE	32210-23-4	PNEC	0.42 mg/kg	terrestrial organisms	soil	short-term (single instance)
BENZYL SALICYLATE	118-58-1	PNEC	0.001 mg/l	aquatic organisms	freshwater	short-term (single instance)
BENZYL SALICYLATE	118-58-1	PNEC	0 mg/l	aquatic organisms	marine water	short-term (single instance)
BENZYL SALICYLATE	118-58-1	PNEC	10 mg/l	aquatic organisms	sewage treatment plant (STP)	short-term (single instance)
BENZYL SALICYLATE	118-58-1	PNEC	0.583 mg/kg	aquatic organisms	freshwater sediment	short-term (single instance)
BENZYL SALICYLATE	118-58-1	PNEC	0.058 mg/kg	aquatic organisms	marine sediment	short-term (single instance)
BENZYL SALICYLATE	118-58-1	PNEC	1.41 mg/kg	terrestrial organisms	soil	short-term (single instance)

8.2 Exposure controls

Appropriate engineering controls

General ventilation.

Individual protection measures (personal protective equipment)

Eye/face protection

Use safety goggle with side protection (EN 166).

Skin protection

Protective clothing (EN 340).



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- Hand protection

Chemical protection gloves are suitable, which are tested according to EN 374. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- Breakthrough times of the glove material

>480 minutes (permeation: level 6).

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid (<40°C); liquid (>60°C)
Colour	characteristic
Odour	characteristic
Melting point/freezing point	40 - 60 °C
Boiling point or initial boiling point and boiling range	not determined
Flammability	this material is combustible, but will not ignite readily
Lower and upper explosion limit	not determined
Flash point	>200°C
Auto-ignition temperature	not determined
Decomposition temperature	not relevant
pH (value)	not applicable
Kinematic viscosity	3 - 10 mm ² /s @ 100 °C

Solubility(ies)

Water solubility	insoluble
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Partition coefficient

Partition coefficient n-octanol/water (log value)	this information is not available
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Vapour pressure	not determined
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Density and/or relative density

Density	0.8-0.95 kg/l
Relative vapour density	0.8-0.95 kg/l

Particle characteristics	no data available
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9.2 Other information

There is no additional information.

Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant
Other safety characteristics	there is no additional information

SECTION 10: Stability and reactivity

10.1 Reactivity

This material is not reactive under normal ambient conditions.

10.2 Chemical stability

The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions

No known hazardous reactions.

10.4 Conditions to avoid

Keep away from heat. Protect from sunlight.

10.5 Incompatible materials

Oxidisers.

10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Test data are not available for the complete mixture.

Classification procedure

The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

Classification acc. to GHS

This mixture does not meet the criteria for classification.

Acute toxicity

Shall not be classified as acutely toxic.

- Acute toxicity of components of the mixture

Acute toxicity of components of the mixture					
Name of substance	CAS No	Exposure route	Endpoint	Value	Species
BENZYL SALICYLATE	118-58-1	oral	LD50	3,339 mg/kg	rat
BENZYL SALICYLATE	118-58-1	dermal	LD50	>2,000 mg/kg	rabbit

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

Respiratory or skin sensitisation

Contains 4-TERT-BUTYLCYCLOHEXYL ACETATE, TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES, BENZYL SALICYLATE. May produce an allergic reaction.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Information on other hazards

There is no additional information.

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SECTION 12: Ecological information

12.1 Toxicity

Shall not be classified as hazardous to the aquatic environment.

Aquatic toxicity (acute) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
4-TERT-BUTYLCYCLO- HEXYL ACETATE	32210-23-4	LC50	8.6 mg/l	fish	96 h
4-TERT-BUTYLCYCLO- HEXYL ACETATE	32210-23-4	EC50	5.3 mg/l	aquatic invertebrates	48 h
4-TERT-BUTYLCYCLO- HEXYL ACETATE	32210-23-4	ErC50	22 mg/l	algae	72 h
BENZYL SALICYLATE	118-58-1	LC50	1.03 mg/l	fish	96 h
BENZYL SALICYLATE	118-58-1	EC50	1.21 mg/l	aquatic invertebrates	24 h
BENZYL SALICYLATE	118-58-1	ErC50	1.29 mg/l	algae	72 h

Aquatic toxicity (chronic) of components of the mixture

Name of substance	CAS No	Endpoint	Value	Species	Exposure time
4-TERT-BUTYLCYCLO- HEXYL ACETATE	32210-23-4	EC50	302 mg/l	microorganisms	3 h

12.2 Persistence and degradability

Degradability of components of the mixture

Name of substance	CAS No	Process	Degradation rate	Time	Method	Source
4-TERT-BUTYL- CYCLOHEXYL ACETATE	32210-23-4	carbon dioxide generation	75 %	29 d		ECHA
BENZYL SALI- CYLATE	118-58-1	oxygen deple- tion	93 %	28 d		ECHA

12.3 Bioaccumulative potential

Bioaccumulative potential of components of the mixture

Name of substance	CAS No	BCF	Log KOW	BOD5/COD
4-TERT-BUTYLCYCLOHEXYL ACET- ATE	32210-23-4	234	4.8 (25 °C)	
BENZYL SALICYLATE	118-58-1		4	

12.4 Mobility in soil

Data are not available.

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12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

12.6 Endocrine disrupting properties

None of the ingredients are listed.

12.7 Other adverse effects

Data are not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment.

Waste treatment of containers/packagings

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

SECTION 14: Transport information

- | | |
|--|---|
| 14.1 UN number or ID number | not subject to transport regulations |
| 14.2 UN proper shipping name | not relevant |
| 14.3 Transport hazard class(es) | not assigned |
| 14.4 Packing group | not assigned |
| 14.5 Environmental hazards | non-environmentally hazardous acc. to the dangerous goods regulations |
| 14.6 Special precautions for user | There is no additional information. |
| 14.7 Maritime transport in bulk according to IMO instruments | No data available. |

Information for each of the UN Model Regulations

Transport information - National regulations - Additional information (UN RTDG)

Not subject to transport regulations: UN RTDG

International Maritime Dangerous Goods Code (IMDG) - Additional information

Not subject to IMDG.

International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Not subject to ICAO-IATA.

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SECTION 15: Regulatory information

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

There is no additional information.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

SECTION 16: Other information

Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
Aquatic Chronic	Hazardous to the aquatic environment - chronic hazard
BCF	Bioconcentration factor
BOD	Biochemical Oxygen Demand
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
COD	Chemical oxygen demand
DGR	Dangerous Goods Regulations (see IATA/DGR)
DMEL	Derived Minimal Effect Level
DNEL	Derived No-Effect Level
EC50	Effective Concentration 50 %. The EC50 corresponds to the concentration of a tested substance causing 50 % changes in response (e.g. on growth) during a specified time interval
ErC50	≡ EC50: in this method, that concentration of test substance which results in a 50 % reduction in either growth (EbC50) or growth rate (ErC50) relative to the control
Eye Dam.	Seriously damaging to the eye
Eye Irrit.	Irritant to the eye
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations
IATA	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods Code
LC50	Lethal Concentration 50%: the LC50 corresponds to the concentration of a tested substance causing 50 % lethality during a specified time interval
LD50	Lethal Dose 50 %: the LD50 corresponds to the dose of a tested substance causing 50 % lethality during a specified time interval
log KOW	n-Octanol/water
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
Skin Corr.	Corrosive to skin

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Abbr.	Descriptions of used abbreviations
Skin Irrit.	Irritant to skin
Skin Sens.	Skin sensitisation
UN RTDG	UN Recommendations on the Transport of Dangerous Good
vPvB	Very Persistent and very Bioaccumulative

Key literature references and sources for data

UN Recommendations on the Transport of Dangerous Good. International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

Classification procedure

Physical and chemical properties: The classification is based on tested mixture.

Health hazards, Environmental hazards: The method for classification of the mixture is based on ingredients of the mixture (additivity formula).

List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.