

SAFETY DATA SHEET

[In accordance with the criteria of Regulation No 1907/2006 (REACH) as amended.]

Date of update: 05.12.2019

Version: 2.0/EN

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

1.1 Product identifier

Trade name: **SILVERSTONE VINOVE REFILL**

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

Relevant identified uses: air freshener.

Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

Manufacturer: **Vinove Sp. z o.o.**

Address: Szeroka 36, 95-030 Starowa Góra, Poland

Telephone/Fax number: +48 539 999 647

E-mail address of a competent person responsible for SDS: biuro@theta-doradztwo.pl

1.4 Emergency telephone number

112 (Europe's emergency telephone number). Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department. Please check any national emergency information services in your country.

+44 (0)344 892 0111 United Kingdom National Poisons Information Service

Section 2: Hazards identification

2.1 Classification of the substance or mixture

Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411

Causes skin irritation. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects.

2.2 Label elements

Hazard pictograms and signal words



The names of substances on the label

Contains: 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one; lemon, ext.; acetylcedrene; linalool; citronellol.

Hazard statements

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P273 Avoid release to the environment.

2.3 Other hazards

Product does not contain ingredients which meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

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Section 3: Composition/information on ingredients

3.2 Mixtures

Material (polymer cube) impregnated with a perfume based on a filler.

CAS number: 54464-57-2 EC number: 259-174-3 Index number: - Registration number: -	<u>1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one</u> Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Chronic 1 H410 (M=1)	< 4.65 %
CAS number: 115-95-7 EC number: 204-116-4 Index number: - Registration number: 01-2119454789-19-XXXX	<u>linalyl acetate</u> Skin Irrit. 2 H315, Eye Irrit. 2 H319	< 3 %
CAS number: 84929-31-7 EC number: 284-515-8 Index number: - Registration number: 01-2119495512-35-XXXX	<u>lemon, ext.</u> Flam. Liq. 3 H226, Asp. Tox. 1 H304, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Chronic 2 H411	< 3 %
CAS number: 1506-02-1 EC number: 216-133-4 Index number: - Registration number: 01-2119539433-40-XXXX	<u>1-(5,6,7,8-tetrahydro-3,5,5,6,8,8-hexamethyl-2-naphthyl)ethan-1-one</u> Acute Tox. 4 H302, Aquatic Acute 1 H400, Aquatic Chronic 1 H410 (M=1)	< 2.35 %
CAS number: 10339-55-6 EC number: 233-732-6 Index number: - Registration number: -	<u>3,7-dimethylnona-1,6-dien-3-ol</u> Skin Irrit. 2 H315, Eye Irrit. 2 H319	< 1.75 %
CAS number: 18479-58-8 EC number: 242-362-4 Index number: - Registration number: -	<u>2,6-dimethyloct-7-en-2-ol</u> Skin Irrit. 2 H315, Eye Irrit. 2 H319	< 1.75 %
CAS number: 1222-05-5 EC number: 214-946-9 Index number: 603-212-00-7 Registration number: -	<u>1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran (HHCB)</u> Aquatic Acute 1 H400, Aquatic Chronic 1 H410 (M=1)	< 1.45 %
CAS number: 32388-55-9 EC number: 251-020-3 Index number: - Registration number: -	<u>acetylcedrene</u> Skin Sens. 1 H317, Aquatic Acute 1 H400, Aquatic Chronic 1 H410 (M=1)	< 1.45 %
CAS number: 78-70-6 EC number: 201-134-4 Index number: 603-235-00-2 Registration number: 01-2119474016-42-XXXX	<u>linalool</u> Skin Irrit. 2 H315, Skin Sens. 1B H317, Eye Irrit. 2 H319	< 0.45 %
CAS number: 106-22-9 EC number: 203-375-0 Numer indeksowy: - Registration number: 01-2119453995-23-XXXX	<u>citronellol</u> Skin Irrit. 2 H315, Skin Sens. 1B H317, Eye Irrit. 2 H319	< 0.35 %

Full text of each relevant H phrase is given in section 16 of SDS.

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Section 4: First aid measures

4.1 Description of first aid measures

Skin contact: wash the contaminated skin thoroughly with water and soap. Consult a doctor if disturbing symptoms appear.

Eye contact: wash the contaminated eye thoroughly with plenty of water for 10 minutes. Avoid powerful water stream – risk of cornea damage. Protect non-irritated eye, remove contact lenses. Consult a doctor if disturbing symptoms occur.

Ingestion: exposure in this way does not usually occur. In case of ingestion, rinse mouth with water, do not induce vomiting. Consult a physician if any disturbing symptoms occur.

Inhalation: remove to fresh air; keep warm and calm. Consult a doctor if disturbing symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

Due to the form of the product, no adverse health effects should be expected if the product is used as intended. In case of long-term direct contact of the product with the skin, allergic reactions may occur in susceptible persons or irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Physician makes an informed decision regarding further medical treatment after a thorough and complete examination of the injured. Symptomatic treatment.

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: use extinguishing measures that are appropriate to the surroundings.

Unsuitable extinguishing media: water jet – risk of the propagation of the flame.

5.2 Special hazards arising from the substance or mixture

During the fire, may produce hazardous gases of carbon oxides, nitrogen oxides and other unidentified products of thermal decomposition. Do not inhale combustion products, they can be dangerous for human health.

5.3 Advice for firefighters

Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. Collect used extinguishing media.

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Handle in accordance with good occupational health and safety practices. Avoid contact with skin and eyes. Avoid prolonged contact with the product. Ensure adequate ventilation.

6.2 Environmental precautions

In case of release of large amounts of the product, it is necessary to take appropriate measures to prevent it from spreading into the environment. Notify relevant emergency services.

6.3 Methods and material for containment and cleaning up

Collect mechanically. Collected material should be reused or treated as waste. Clean the contaminated area. Do not use solvents.

6.4 Reference to other sections

Appropriate handling of waste products – see section 13.

Personal protective equipment – see section 8.

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Section 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good occupational health and safety practices. Avoid contact with skin and eyes. Before each break and after work wash hands carefully. Use only in accordance with the identified purpose.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original, tightly closed packaging. Keep away from food and feed for animals. Avoid direct sunlight. Recommended storage temperature: 5-25 °C.

7.3 Specific end use(s)

Air freshener.

Section 8: Exposure controls/personal protection

8.1 Control parameters

Product does not contain any components with occupational exposure limit values at working place established in the Community. Please check also any national occupational exposure limit values in your country.

Legal Basis: Commission Directive 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU.

8.2 Exposure controls

Use the product in accordance with good occupational hygiene and safety practices. Do not eat, drink or smoke when working. Before breaks and after works carefully wash hands.

Hand and body protection

Not required under normal operating conditions. Use protective gloves in case of a frequent or prolonged exposure or in case of a failure.

The material that the gloves are made of must be impenetrable and resistant to the product's effects. The selection of material must be performed with consideration of breakthrough time, penetration speed and degradation. Moreover, the selection of proper gloves depends not only on the material, but also on other quality features and changes depending on the manufacturer. The producer should provide detailed information regarding the exact breakthrough time. This information should be followed.

Eye/face protection

Not required when used for the intended purpose.

Respiratory protection

Not required. In emergency situations, use respiratory protection.

Applied personal protective equipment must comply with the requirements of the Regulation 2016/425/EU. The employer is obliged to provide protective equipment relevant to performed activities and in accordance with all quality requirements, including its maintenance and cleaning.

Environmental exposure controls

Do not allow to enter product to reach ground water, sewage, waste water or soil.

Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

physical state:	solid/cuboidal cube, polymer impregnated with fragrance
colour:	by product range
odour:	characteristic, pleasant
odour threshold:	not determined
pH:	not applicable
melting point/freezing point:	not applicable
initial boiling point and boiling range:	not applicable
flash point:	not applicable

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evaporation rate:	not determined
flammability (solid, gas):	not applicable, product is not classified in flammability categories
upper/lower flammability or explosive limits:	not applicable
vapour pressure:	not determined
vapour density:	not determined
density:	not determined
solubility(ies):	insoluble in water
partition coefficient: n-octanol/water:	not determined
auto-ignition temperature:	not applicable
decomposition temperature:	not determined
explosive properties:	not display
oxidising properties:	not display
viscosity:	not applicable

9.2 Other information

No additional test results.

Section 10: Stability and reactivity

10.1 Reactivity

Product is feebly reactive. Product does not undergo a dangerous polymerization. See also 10.4-10.5.

10.2 Chemical stability

The product is stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions are not known.

10.4 Conditions to avoid

Avoid sources of heat and direct sunlight.

10.5 Incompatible materials

Organic solvents.

10.6 Hazardous decomposition products

Hazardous decomposition products are not known.

Section 11: Toxicological information

11.1 Information on toxicological effects

Information regarding acute and/or delayed results of the exposure was defined on the basis of the information on product's classification and/or toxicological studies as well as the experience and knowledge of the manufacturer.

Toxicity of the components

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran (HHCB) [CAS 1222-05-5]

LD₅₀ (oral, rat) > 4 640 mg/kg (OECD 401 method; ECHA data)

LD₅₀ (oral, rat) 8 600 mg/kg (supplier's data)

LD₅₀ (oral, rat) > 5 000 mg/kg (GESTIS data)

LD₅₀ (skin, rabbit) > 2 000 mg/kg (ECHA data)

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one [CAS 54464-57-2]

LD₅₀ (oral, rat) > 2 000 mg/kg (ECHA data)

LD₅₀ (skin, rabbit) > 2 000 mg/kg (ECHA data)

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Toxicity of the mixture

Acute toxicity

ATE_{mix} (oral) > 2 000 mg/kg

Based on available data, the classification criteria are not met.

The acute toxicity estimate (ATE_{mix}) for the classification of a substance in a mixture was determined using the appropriate conversion value from Table 3.1.2 that relates to a classification category (Annex I to CLP).

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Section 12: Ecological information

12.1 Toxicity

This product is toxic to aquatic life with long lasting effects, based on sum of components classified as hazardous to the environment. Due to the product's form, its solubility in water and amount of released substances from the product to the environment, the aquatic hazard is limited.

12.2 Persistence and degradability

This product is hardly biodegradable.

12.3 Bioaccumulative potential

Bioaccumulation is not expected.

12.4 Mobility in soil

The product is not mobile in the soil. Mobility in the aquatic environment is little.

12.5 Results of PBT and vPvB assessment

Product does not contain ingredients, which meet criteria for PBT or vPvB.

12.6 Other adverse effects

Not known.

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Section 13: Disposal considerations

13.1 Waste treatment methods

Disposal methods for the product: disposal in accordance with the local legislation. Store residues in original containers. If possible, recycling is preferred.

Disposal methods for used packing: reuse/recycling/liquidation of empty containers dispose in accordance with the local legislation. Only completely emptied packaging can be recycled.

Legal basis: Directive 2008/98/EC as amended., 94/62/EC as amended.

Section 14: Transport information

14.1 UN number

UN 3077

14.2 UN proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

[1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one]

14.3 Transport hazard class(es)

9

14.4 Packing group

III

14.5 Environmental hazards

Product is classified as hazardous in accordance with transport regulations.

14.6 Special precautions for user

Avoid sources of heat and fire. If any substances have leaked and been spilled in a vehicle or container, it may not be re-used until after it has been thoroughly cleaned and, if necessary, disinfected or decontaminated. Any other goods and articles carried in the same vehicle or container shall be examined for possible contamination.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

Additional information

In accordance with special provision 335 the product is not subject to land transport regulations (ADR/RID) and maritime transport regulation (IMDG). In accordance with special provision A158 the product is not subject to air transport regulation (IATA).



Section 15: Regulatory information

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

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 as amended.

Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended.

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Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Commission Directive 2017/164/EU of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

Regulation (EU) No 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC.

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for mixtures in accordance with REACH Regulation.

Section 16: Other information

Full text of specified H phrases mentioned in section 3

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.
H319	Causes serious eye irritation.
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.

Clarification of aberrations and acronyms

Acute Tox. 4	Acute toxicity, category 4
Asp. Tox. 1	Aspiration toxicity category 1
Aquatic Acute 1	Acute hazardous to the aquatic environment, category 1
Aquatic Chronic 1, 2	Chronic hazardous to the aquatic environment, category 1, 2
Eye Irrit. 2	Serious eye damage/eye irritation, category 2
Flam. Liq. 3	Flammable liquid category 3
Skin Irrit. 2	Skin corrosion/irritation, category 2
Skin. Sens. 1, 1B	Skin sensitization category 1, 1B
PBT	Persistent, Bioaccumulative and Toxic substance
vPvB	very Persistent, very Bioaccumulative substance
LD ₅₀	The dose at which deaths of 50% of the organisms studied are observed
ECHA	data of European Chemicals Agency
GESTIS	GESTIS Substance Data database

Trainings

Before commencing work with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training. People associated with transport of hazardous materials in accordance with ADR should be adequately trained for their job responsibilities (general training, bench and safety).

Key literature references and data sources

This sheet was prepared on the basis of on manufacturer's data, literature data, online databases, our knowledge and experience, taking into account the current legislation.

Methods of evaluating information which was used for the purpose of classification

Classification was based on supplier's data and data on hazardous substances calculation method under the guidance of Regulation 1272/2008/EC (CLP) as amended. The acute toxicity estimate (ATE_{mix}) for the classification of a substance in a mixture was determined using the appropriate conversion value from Table 3.1.2 that relates to a classification category (Annex I to CLP).

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Other data

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Changes: sections: 1
Composed by: mgr inż. Michalina Świerczyńska-Kraska (on the basis of producer's data)
Safety Data Sheet made by: „**THETA**” Technical Consulting

This SDS annuls and replaces all previous versions.

The information above is based on a current available data concerning the product, but also on the experience and knowledge in this field of the producer. They are neither a quality description of the product nor a guarantee of particular features. They are to be treated as aid to safety in transport, storage and usage of the product. That does not free the user from the responsibility of improper usage of the information above and also of improper compliance with the law norms in the field.