Material Safety Data Sheet

Completed **15-07-2021**
Revision: (date) **24-03-2023**
SDS version **1.9**

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

1.1. Product Identifier
Trade Name: Vespucrete® RT A-komponent
Product- no.: -

1.2. Relevant identified uses of the substance or mixture and uses advised against
Recommended uses:
Polyurethane product for floors.

The product is part of a 2-component system. Conformity with safety data sheet for both components when mixing with other component.

Uses advised against:
This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet
Company and address:
Vesla Coating A/S
Fabriksvej 12
DK-6920 Videbæk
tlf: +45 97 17 32 66
fax: +45 97 17 32 06
www.vesla.dk

Contact person and E-mail:
Victor Jensen vj@vesla.dk

The Safety data sheet is completed and validated by:
Mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: DH

1.4. Emergency telephone number
NHS: 111
Use your national or local emergency number - See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
CLP (1272/2008):
Skin Sens. 1B;H317

See full text of H-phrases in section 16.

2.2. Label elements


Signal word:
Warning

May cause an allergic skin reaction. (H317)

Bær beskyttelseshandsker. (P280)
If skin irritation or rash occurs: Get medical advice/attention. (P333 + P313)

2.3. Other hazards
INGEN DATA

Additional labelling:
-

Additional warnings
The product does not meet the criteria for PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
Cashew, nutshell liq., oligomeric reaction products with 1-chloro-2,3-epoxypropane	- / -	68413-24-1	500-210-7	Skin Sens. 1B;H317	5 - 10	-
Solvent naphtha (petroleum), light arom.	649-356-00-4 / 01-2119455851-35-xxxx	64742-95-6	265-199-0	Flam. Liq. 3;H226. Asp. Tox. 1;H304, STOT SE 3;H335, H336, Aquatic Chronic 2;H411, EUH066	< 2,5	1
White mineral oil (petroleum)	- / 01-2119487078-27-xxxx	8042-47-5	232-455-8	Asp. Tox.1;H304	< 2	-

1) The substance is an organic solvent.

See full text of H-phrases in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:
Seek fresh air.
Keep victim under observation.
Seek medical advice in case of discomfort.

Ingestion:
Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.
Seek medical advice in case of discomfort.

Skin contact:
Remove contaminated clothing.
Wash the skin thoroughly with water and continue washing for a long time.
Seek medical advice in case of persistent discomfort.

Eye contact:
Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

Additional information:
When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed
Neurotoxic effect: This product contains organic solvents, which can have an effect on the nervous system. Repeated exposure to solvents can result in the breaking down of the skin's natural fat layer. The skin will then be more prone to absorb dangerous substances, e.g. allergens.

Sensitivity effects: This product contains substances which can give an allergic reaction on contact with skin. The allergic reaction will typically set in 12-72 hours after exposure as the substance penetrates the skin and reacts with proteins in the outer skin. The body's immune system sees the chemically changed protein as a foreign body and will try to destroy it.

4.3. Indication of any immediate medical attention and special treatment needed
Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Surrounding fire:
Extinguish with powder, foam, carbon dioxide or water mist.
Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture
The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.
Product decomposes in fire conditions and toxic gases such as COx may be released.
Fire will produce dense black smoke.
Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters
If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.
Fire fighters should wear appropriate protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
See section 8 for type of protective equipment.
Avoid breathing and contact with skin and eyes.

6.2. Environmental precautions
Do not discharge large quantities of concentrated spills and residue into drains.

6.3. Methods and material for containment and cleaning up
Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers.

6.4. Reference to other sections
See section 8 for type of protective equipment.
See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
See section 8 for information about precautions for use and personal protective equipment.
Use the product under well-ventilated conditions.

7.2. Conditions for safe storage, including any incompatibilities
The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.
Keep in tightly closed original packaging.
Store cold, but frost-free.
Avoid direct sunlight.

7.3. Specific end use(s)
See application section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
Occupational exposure limits according to EH40/2005 Workplace exposure limits (Fourth Edition 2020):
-

DNEL/PNEC-values:
DNEL Cashew, nutshell liq., oligomeric reaction products with 1-chloro-2,3-epoxypropane

	Workers	Consumers
Inhalation - Chronic Systemic	3.09 mg/m³	0.54 mg/m³
Dermal - Chronic Systemic	0.875 mg/kg bw/day	0.31 mg/kg bw/day
Oral - Chronic Systemic	-	0.31 mg/kg bw/day

DNEL Solvent naphtha (petroleum), light arom.

	Workers	Consumers
Inhalation - Acute Systemic	1286.4 mg/m³	1152 mg/m³
Inhalation - Chronic Local	837.5 mg/m³	178.57 mg/m³
Inhalation - Acute Local	1066.67 mg/m³	640 mg/m³

DNEL White mineral oil (petroleum)

	Workers	Consumers
Inhalation - Chronic Systemic	164.56 mg/m³	34.78 mg/m³
Dermal - Chronic Systemic	217.05 mg/kg bw/day	93.02 mg/kg bw/day
Oral - Chronic Systemic	-	25 mg/kg bw/day

8.2. Exposure controls
There are no exposure scenarios for this product.

Appropriate engineering controls:
Wear the personal protective equipment specified below.
Wash hands before breaks, before using restroom facilities, and at the end of work.
Do not eat, drink or smoke when using this product.

Personal protective equipment:

Respiratory protection:
Not required.

Hand protection:
Wear protective gloves made of nitrile rubber. (EN374)
Type of material and thickness: Nitrilgummi; ≥0,11 mm
Penetration time: > 240 min.

Eye/face protection:
Wear safety goggles if there is a risk of eye splash.

Skin protection:
Not required.

Environmental exposure controls:
Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	White
Odour:	Odourless
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	-
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	-
Kinematic viscosity (mm2/s):	-
Solubility:	-
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	1.3
Relative vapour density:	-
Particle characteristics:	-

9.2. Other information

Potlife/ curing:	15 min.

SECTION 10: Stability and reactivity

10.1. Reactivity
No data.

10.2. Chemical stability
The product is stable when used in accordance with the supplier's directions.
Hardening time for the product is 14 days at 20 °C.

10.3. Possibility of hazardous reactions
None known.

10.4. Conditions to avoid
None known.

10.5. Incompatible materials
Avoid contact with strong bases.
Avoid contact with strong oxidising agents.
Avoid contact with strong reducing agents.
Avoid contact with strong acids.

10.6. Hazardous decomposition products
Cured materials may decompose and release hazardous gases at temperatures above 150° C.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity:
Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
Cashew, nutshell liq., oligomeric reaction products with 1-chloro-2,3-epoxypropane	Oral	Rat	LD50	>2000 mg/kg bw
Cashew, nutshell liq., oligomeric reaction products with 1-chloro-2,3-epoxypropane	Dermal	Rat	LD50	>2000 mg/kg bw
Solvent naphtha (petroleum), light arom.	Oral	Rat	LD50	> 5000 mg/kg bw
Solvent naphtha (petroleum), light arom.	Inhalation	Rat	LC50/ 4 Hours	> 5610 mg/m³ air
Solvent naphtha (petroleum), light arom.	Dermal	Rabbit	LD50	> 2000 mg/kg bw
White mineral oil (petroleum)	Oral	Rat	LD50	> 5000 mg/kg bw
White mineral oil (petroleum)	Inhalation	Rat	LC50/ 4 Hours	> 5 mg/L air
White mineral oil (petroleum)	Dermal	Rat	LD50	> 2000 mg/kg bw

Skin corrosion/irritation:
May irritate the skin – may cause reddening.

Serious eye damage/irritation:
May cause eye irritation.

Respiratory or skin sensitisation:
May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering and ulceration – often slowly developing.

Germ cell mutagenicity:
Based on the existing data, the classification is not met.

Carcinogenicity:
Based on the existing data, the classification is not met.

Reproductive toxicity:
Based on the existing data, the classification is not met.

STOT-single exposure:
The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

STOT-repeated exposure:
Prolonged or repeated inhalation of vapours may cause damage to the central nervous system.

Aspiration hazard:
Based on the existing data, the classification is not met.

11.2. Information on other hazards
Test data are not available.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
Cashew, nutshell liq., oligomeric reaction products with 1-chloro-2,3-epoxypropane	48 Hours	Daphnia	EC50	> 100 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Cashew, nutshell liq., oligomeric reaction products with 1-chloro-2,3-epoxypropane	No	OECD Guideline 301 B	29 Days 25.6%
White mineral oil (petroleum)	No	OECD Guideline 301 F	28 Days 31%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
Cashew, nutshell liq., oligomeric reaction products with 1-chloro-2,3-epoxypropane	Yes	> 6.2

12.4. Mobility in soil
Test data are not available.

12.5. Results of PBT and vPvB assessment
The product does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties
Test data are not available.

12.7. Other adverse effects
None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
The product is covered by the regulations on dangerous waste.
Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC-Code	Description
08 01 13	Sludges from paint or varnish containing organic solvents or other hazardous substances
08 05 01	Waste isocyanates

Specific labelling:
-

Contaminated packaging:
Uncleansed packaging is to be disposed of via the local waste-removal scheme.

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR, IMDG and IATA.

14.1 -14.4.
ADR
-
IMDG/IATA
-

14.5. Environmental hazards
-

14.6. Special precautions for user
-

14.7. Maritime transport in bulk according to IMO instruments
Not relevant.

SECTION 15: Regulatory information

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

Sources:
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

Additional labelling:
-

VOC:

Restrictions for application:
-

Demands for specific education:
-

15.2. Chemical safety assessment
None.

SECTION 16: Other information

According to EU regulation 1907/2006 (REACH)

Other information:
Sources:
EC regulation 1907/2006 (REACH), with amendments.
EC Regulation 1272/2008 (CLP), with amendments.
EU regulation no. 276/2010
Directive 2008/98/EC
ECHA - The European Chemicals Agency

Full text of H-phrases as mentioned in section 2+3:

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
EUH 066	Repeated exposure may cause skin dryness or cracking.

Classification according to Regulation (EC) Nr. 1272/2008:
Skin Sens. 1B;H317 Calculation method

Abbreviations and acronyms used in the safety data sheet:
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.
CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.
CAS-Number.: Chemical Abstracts Service number.
EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).
DNEL: Derived No Effect Level.
PNEC(s): Predicted No Effect Concentration(s).
STOT: Specific Target Organ Toxicity.
LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).
LC50: Lethal Concentration to 50 % of a test population.
EC50: The effective concentration of substance that causes 50% of the maximum response.
PBT: Persistent, Bioaccumulative and Toxic.
vPvB: Very Persistent and Very Bioaccumulative.
NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.
NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other:
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:
General update.

This material safety data sheet replaces version:
1.8