

Safety data sheet

According to Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name : LAFITA CAR DEHUMIDIFIER
Product code : LAF-001
Chemical name : Silica, amorphous, synthetic, cryst.-free
Registration nr. : ----
CAS nr. : 112926-00-8

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

Application : SU21 Consumer product. PC2 Adsorbent.

1.3. Details of the supplier of the safety data sheet

Supplier : Dovox B.V.
Elandstraat 90
3064 AH ROTTERDAM, The Netherlands
Telephone : +31-168-331711
Fax : +31-10-2270065
Website : www.dovox.nl

1.4. Emergency telephone number

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

HSE - Telephone : +31-168-331711

(During office hours only)

EMERGENCY TELEPHONE NUMBER (for DOCTORS only):

(24/7)

SECTION 2 HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP classification : Not classified as dangerous according to Regulation (EC) No 1272/2008.
(1272/2008/EC)
Human health hazards : Low hazard for usual industrial or commercial handling.
Physical/chemical hazards : Not classified as dangerous according to statutory EC-Directives.
Environmental hazards : Not classified as dangerous according to statutory EC-Directives.
Other information : Keep out of the reach of children.

2.2. Label elements

Label elements (1272/2008/EC):

Hazard pictograms : None.

Signal word : Not applicable.

H- and P-phrases : None.

Additional labelling

: Silica, amorphous, synthetic, cryst.-free
: CAS nr.: 112926-00-8

2.3. Other hazards

Other information : Not classified as PBT or vPvB.

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SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Product description : Substance.

Information on substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
Silica, amorphous, synthetic, cryst.-free	99.6	112926-00-8	231-545-5	MAC	

Occupational exposure limit(s), if relevant, are listed in section 8.

Substance name	Hazard Class	H-phrases	Pictograms	
Silica, amorphous, synthetic, cryst.-free	-----	-----	-----	

3.2. Mixtures

Product description : Not classified as PBT or vPvB. Not included in the EU list with SVHC substances.

SECTION 4 FIRST-AID MEASURES

4.1. Description of first aid measures

First aid measures

- Inhalation : Not applicable.
- Skin contact : Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up.
- Eye contact : Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Consult a doctor if irritation persists.
- Ingestion : Do not induce vomiting. Do rinse the mouth. Give one glass of water. Never give anything by mouth to an unconscious person. Consult a doctor if victim feels unwell.

4.2. Most important symptoms and effects, both acute and delayed

Effects and symptoms

- Inhalation : May cause irritation to respiratory airways and coughing.
- Skin contact : No specific effects and/or symptoms are known.
- Eye contact : May cause stinging of eyes and redness.
- Ingestion : May cause a feeling of sickness, vomiting and diarrhoea.

4.3. Indication of any immediate medical attention and special treatment needed

- Note to physicians :
- General : Call a poison control centre for guidance.

SECTION 5 FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

- Suitable : Carbondioxide (CO2). Foam. Dry chemical. Water fog.
- Not suitable : Water jet.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards : None known. Non flammable product.

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5.3. Advice for firefighters

Special protective equipment : Not applicable.
for fire-fighters

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles.

6.2. Environmental precautions

Environmental precautions : Avoid release of product into sewers, surface water and/or ground water.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Collect spilled material in containers. Dispose at an authorised waste collection point. Wash away remainder with plenty of water and soap.

6.4. Reference to other sections

Reference to other sections : See also section 8.

SECTION 7 HANDLING AND STORAGE

7.1. Precautions for safe handling

Handling : Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep in a cool, dry and well-ventilated place (< 35 °C).

Recommended packaging : Keep only in the original container.

Non recommended packaging : None known.

7.3. Specific end use(s)

Use : Use only as directed.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limits :

Workplace exposure limits (mg/m³):

Chemical name	Country	TWA 8 hour (mg/m ³)	STEL 15 min (mg/m ³)	Comments
Silica, amorphous, synthetic, cryst.-free		4		MAC: DE, SL, AT, CH.

Derived no-effect level (DNEL) for workers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Silica, amorphous, synthetic, cryst.-free	Inhalation				4 mg/m ³

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8.2. Exposure controls

Engineering measures : Comply with standard precautionary measures for working with chemicals.
Hygienic measures : When using do not eat, drink or smoke.

Personal protective equipment:

The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.

Body protection : Use of specific protective industrial clothing is not required under normal conditions of use.
Respiratory protection : Take care of sufficient ventilation.
Hand protection : Under normal conditions of use specific gloves are not required.
Eye protection : Wear appropriate safety glasses when there is danger of possible eye contact.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance : Solid.
Colour : Colourless.
Odour : Odourless.
Odour threshold : Not applicable. Odourless.
pH : Not applicable. Solid.
Solubility in water : Not soluble.
Partition coefficient : Not known.
(n-octanol/water)
Flash point : Not relevant. Solid.
Flammability (solid, gas) : Not flammable.
Auto ignition temperature : Not applicable. Does not contain combustible substances.
Boiling point/boiling range : 2950 °C
Melting point/melting range : 1710 °C
Explosive properties : Not explosive.
Explosion limits (in air) : Not applicable.
Oxidising properties : Not oxidizing.
Decomposition temperature : Not known.
Not applicable. : Solid.
Vapour pressure (20°C) : Very low. Solid.
Vapour density (20°C) : Not applicable. The solvent content of this product is less than 1%.
Relative density (20°C) : 2.1 g/ml
Evaporation rate : Very low. Solid.

SECTION 10 STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity : See sub-sections below.

10.2. Chemical stability

Stability : Stable under normal conditions.

10.3. Possibility of hazardous reactions

Reactivity : No other hazardous reactions known.

10.4. Conditions to avoid

Conditions to avoid : See section 7.

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10.5. Incompatible materials

Materials to avoid : No specific recommendations.

10.6. Hazardous decomposition products

Hazardous decomposition products : Not known.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Inhalation

Acute toxicity : Not applicable.
Corrosion/irritation : Not classified due to lack of data.
Sensitisation : Not classified due to lack of data.
Carcinogenicity : Not classified due to lack of data.
Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.

Skin contact

Acute toxicity : Low toxicity. Not classified - based on available data, the classification criteria are not met. ATE: > 2000 mg/kg.bw
Corrosion/irritation : No specific effects and/or symptoms are known. Not classified - based on available data, the classification criteria are not met.
Sensitisation : Not classified - based on available data, the classification criteria are not met.
Carcinogenicity : Not classified due to lack of data.
Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.
Reprotoxicity : Not classified due to lack of data.

Eye contact

Corrosion/irritation : Slight irritation possible. Not classified - based on available data, the classification criteria are not met.

Ingestion

Acute toxicity : Low toxicity. Not classified - based on available data, the classification criteria are not met. ATE: > 2000 mg/kg.bw
Corrosion/irritation : May cause a feeling of sickness, vomiting and diarrhoea.
Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.

Toxicological information:

Chemical name	Property		Method	Test animal
Silica, amorphous, synthetic, cryst.-free	Skin irritation	Non-irritant	OECD 404	Rabbit
	LD50 (oral)	> 5000 mg/kg bw	OECD 401	Rat
	NOAEL (development, oral)	> 1350 mg/kg bw/d	OECD 414	Rat
	NOEL (oral)	7950 mg/kg bw/d	OECD 408	Rat
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium
	Eye irritation	Non-irritant	OECD 405	Rabbit
	NOAEL (oral)	> 7950 mg/kg bw/d	OECD 408	Rat
	LD50 (dermal)	> 5000 mg/kg bw		Rabbit
	Skin sensitisation	Not sensitizing		Guinea pig
	NOAEL (inhalation) - estimate	1 mg/m3	Read across	----
	Genotoxicity - in vitro	Not genotoxic	OECD 473	
	Genotoxicity - in vivo	Not genotoxic		
	LC50 (inhalation) - estimate	> 5000 mg/m3		Rat

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NOEL (carcinogenicity, oral)	> 1800 mg/kg bw/d	OECD 453	Rat
LC50 (inhalation)	> 690 mg/m ³	OECD 403	Rat

SECTION 12 ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity : Calculated LC50 (fish): 10040 mg/l. Calculated EC50 (waterflea): 10040 mg/l. Contains 0 % of components with unknown hazards to the aquatic environment. Not classified - based on available data, the classification criteria are not met.

12.2. Persistence and degradability

Persistence – degradability : No specific information known.

12.3. Bioaccumulative potential

Bioaccumulative potential : No BCF available. No specific information known.

12.4. Mobility in soil

Mobility : Little chance of penetration of spilled product into the ground and surface water.

12.5. Results of PBT and vPvB ass

PBT/vPvB assessment : Not classified as PBT or vPvB.

12.6. Other adverse effects

Other information : Not applicable.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Product residues : Do not dispose empty pack with waste produced by households. Containers may be recycled. Treat product residues and non-empty pack as chemical waste. Dispose waste to an official chemical waste depot.

Additional warning : None.

Local legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.

SECTION 14 TRANSPORT INFORMATION

14.1. UN number

UN nr. : None.

14.2. UN proper shipping name

Transport name : Not regulated.

14.3/14.4/14.5. Transport hazard class(es)/Packing group/Environmental hazards

ADR/RID/ADN (road/railway/inland waterways)

Class : This product is not classified according to ADR/RID/ADN.

IMDG (sea)

Class : This product is not classified according to IMDG.

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Marine pollutant : No

IATA (air)
Class : This product is not classified according to IATA.

14.6. Special precautions for user

Other information : Country specific variations may apply.

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

Marpol : Not intended to be carried in bulk according to International Maritime Organisation (IMO) instruments.
Packaged liquids are not considered bulk.

SECTION 15 REGULATORY INFORMATION

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

Community regulations : Regulation (EC) No 453/2010 (REACH), Regulation (EC) No 1272/2008 (CLP) and other regulations.

15.2. Chemical safety assessment

Chemical safety assessment : Not available.

SECTION 16 OTHER INFORMATION

16.1. Other information

The information in this safety data sheet is compiled in compliance with Regulation (EC) No 453/2010 dated 20 May 2010 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

Full text of H-phrases mentioned in section 3: Not applicable.

Full text of hazard classes mentioned in section 3: Not applicable.

List of abbreviations and acronyms that could be (but not necessarily are) used in this safety data sheet:

ADR	: European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	: Acute Toxicity Estimate
CLP	: Classification, Labeling & Packaging
CMR	: Carcinogenic, Mutagenic or toxic for Reproduction
EEC	: European Economic Community
IATA	: International Air Transport Association
IBC code	: International Bulk Chemical Code
IMDG	: International Maritime Dangerous Goods Code
LD50/LC50	: Lethal Dose/Concentration for 50% of a population
MAC	: Maximum Allowable Concentration
MARPOL	: International Convention for the Prevention of Pollution From Ships
NO(A)EL	: No Observed (Adverse) Effect Level
OECD	: Organisation for Economic Co-operation and Development
PBT	: Persistent, Bioaccumulative and Toxic
PC	: Chemical product category
PT	: Product type
REACH	: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	: Regulations concerning the International Carriage of Dangerous Goods by Rail

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STP : Sewage Treatment Plant
SU : Sector of Use
TWA/STEL : Time-Weighted Average/Short Term Exposure Limit
UN : United Nations
VOC : Volatile Organic Compounds
vPvB : Very Persistent and Very Bioaccumulative
Number format : "," used as decimal separator.

History

Date of first issue : 07-09-2015