

# 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 MOISTURE ABSORBER  
Product code : LAF-002  
Chemical name : Calcium chloride (CaCl<sub>2</sub>), dihydrate  
Registration nr. : 01-2119494219-28  
CAS nr. : 10035-04-8

### 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  
E-mail : info@dovox.nl  
Website : www.dovox.nl

### 1.4. Emergency telephone number

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

NL - Telephone : +31-168-331711 (During office hours only)

EMERGENCY TELEPHONE NUMBER (for DOCTORS only):

National Poisons Information Service +44-844 892 0111 (24/7)

## SECTION 2 HAZARDS IDENTIFICATION

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### 2.1. Classification of the substance or mixture

CLP classification : Eye irritation, category 2.  
(1272/2008/EC)

Human health hazards : Causes serious eye irritation.

Physical/chemical hazards : Not classified as dangerous according to statutory EC-Directives. Hygroscopic.

Environmental hazards : Not classified as dangerous according to statutory EC-Directives.

### 2.2. Label elements

Label elements (1272/2008/EC):

Hazard pictograms :



Signal word : Warning

H- and P-phrases : H319 Causes serious eye irritation.  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P280 eyes Wear eye protection/face protection.

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P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313 If eye irritation persists: Get medical advice/attention.

## Additional labelling

: Calcium chloride (CaCl<sub>2</sub>), dihydrate  
: CAS nr.: 10035-04-8

## 2.3. Other hazards

Other information : Not classified as PBT or vPvB.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

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### 3.1. Substances

Product description : Substance.

Information on substances:

Substance name	Concentration (w/w) (%)	CAS nr.	EC number	Remark	REACH nr.
Calcium chloride (CaCl <sub>2</sub> ), dihydrate	100	10035-04-8	600-075-5		

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

Substance name	Hazard Class	H-phrases	Pictograms	
Calcium chloride (CaCl <sub>2</sub> ), dihydrate	Eye Irrit. 2	H319	GHS07	

Reference is made to chapter 16 for full text of each relevant H phrase.

### 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 : Move victim into fresh air. Consult a doctor if victim feels unwell.  
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.  
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 : Irritant. May cause redness and pain.  
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

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## 5.1. Extinguishing media

Extinguishing media

- Suitable : Carbondioxide (CO2). Foam. Dry chemical. Water fog.  
Not suitable : None known.

## 5.2. Special hazards arising from the substance or mixture

- Special exposure hazards : None known.  
Hazardous thermal decomposition products : Carbon monoxide may be evolved if incomplete combustion occurs.

## 5.3. Advice for firefighters

- Special protective equipment for fire-fighters : Use adequate respiratory equipment in case of insufficient ventilation.

## 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. Avoid contact with spilled or released material. Do not breathe dust.

### 6.2. Environmental precautions

- Environmental precautions : Avoid release of product into sewers, surface water and/or ground water.  
Other information : Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

### 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

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## 8.1. Control parameters

Occupational exposure limits : Occupational exposure limits have not been established for this product. Derived no-effect levels (DNEL) have not been established for this product. Predicted no-effect concentrations (PNEC) have not been established for this product.

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
Calcium chloride (CaCl <sub>2</sub> ), dihydrate	Inhalation	10 mg/m <sup>3</sup>		5 mg/m <sup>3</sup>	

Derived no-effect level (DNEL) for consumers:

Chemical name	Route of exposure	DNEL, short-term		DNEL, long-term	
		Local effect	Systemic effect	Local effect	Systemic effect
Calcium chloride (CaCl <sub>2</sub> ), dihydrate	Inhalation	5 mg/m <sup>3</sup>		2,5 mg/m <sup>3</sup>	

## 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 with side shields, in accordance with EN 166, 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	: White.	
Odour	: Odourless.	
Odour threshold	: Not applicable.	
pH	: 8,5	10% solution.
Solubility in water	: Soluble.	
Partition coefficient (n-octanol/water)	: Not known.	
Flash point	: Not relevant.	Solid.
Flammability (solid, gas)	: Not flammable.	
Auto ignition temperature	: Not applicable.	Does not contain combustible substances.
Boiling point/boiling range	: 1670 °C	
Melting point/melting range	: 176 °C	
Explosive properties	: Not explosive.	
Explosion limits (% in air)	: Not applicable.	
Oxidising properties	: Not oxidizing.	
Decomposition temperature	: 176 °C	
Viscosity (20°C)	: 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)	: 1,85 g/ml	

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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 : Hygroscopic. Reacts with water. .

### 10.4. Conditions to avoid

Conditions to avoid : See section 7.

### 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 : ATE: > 5 mg/l. Low toxicity. Not classified - based on available data, the classification criteria are not met.

Corrosion/irritation : Not classified due to lack of data.

Sensitisation : Not classified due to lack of data.

Carcinogenicity : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.

Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.

#### Skin contact

Acute toxicity : ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.

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 expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.

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 : Irritant.

#### Ingestion

Acute toxicity : ATE: > 2000 mg/kg.bw. Low toxicity. Not classified - based on available data, the classification criteria are not met.

Aspiration : Not expected to be an aspiration hazard. Not classified - based on available data, the classification criteria are not met.

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Corrosion/irritation : May cause a feeling of sickness, vomiting and diarrhoea.  
Carcinogenicity : Not expected to be carcinogenic. Not classified - based on available data, the classification criteria are not met.  
Mutagenicity : Not expected to be mutagenic. Not classified - based on available data, the classification criteria are not met.  
Reprotoxicity : Fertility: Not classified due to lack of data.

## Toxicological information:

Chemical name	Property		Method	Test animal
Calcium chloride (CaCl <sub>2</sub> ), dihydrate	Skin irritation - estimate	Non-irritant	Read across	Rabbit
	NOAEL (development) - estimate	169 mg/kg.d	-----	Rabbit
	Skin sensitisation - estimate	Not sensitizing	Read across	
	NOEL (carcinogenicity) - estimate	Not carcinogenic	Read across	
	LC50 (inhalation) - estimate	> 5000 mg/m <sup>3</sup>	Read across	
	LD50 (dermal) - estimate	> 5000 mg/kg bw	Read across	Rabbit
	LD50 (oral) - estimate	> 2000 mg/kg bw	Read across	
	Eye irritation	Irritant		
	Mutagenicity	Negative	OECD 471	Salmonella typhimurium

## SECTION 12 ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecotoxicity : Calculated LC50 (fish): 6173 mg/l. Calculated EC50 (waterflea): 3200 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 : If product enters soil, it will be highly mobile and may contaminate groundwater.

### 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 hazardous waste.  
Additional warning : None.

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European waste catalogue : Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste code according to Commission Decision 2000/532/EC to an official chemical waste depot.  
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.

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:

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H319 Causes serious eye irritation.

Full text of hazard classes mentioned in section 3:

Eye Irrit. 2 : Eye irritation, category 2.

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  
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.

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## History

Date of first issue : 14-04-2016