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Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revised on / Version: 29.04.2011 / 0004  
Replaces revision of / Version: 19.01.2011 / 0003  
Valid from: 29.04.2011  
PDF print date: 29.04.2011  
SEBO FRESH - Lime - for vacuum cleaners

## Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

#### 1.1 Product identifier

#### **SEBO FRESH - Lime - for vacuum cleaners**

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

##### **Relevant identified uses of the substance or mixture:**

Air-Freshener

Sector of use [SU]:

SU21 - Consumer uses: Private households (=general public = consumers)

Chemical product category [PC]:

PC 3 - Air care products

Process category [PROC]:

PROC 8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

Environmental Release Category [ERC]:

ERC 8a - Wide dispersive indoor use of processing aids in open systems

##### **Uses advised against:**

No information available at present.

#### 1.3 Details of the supplier of the safety data sheet

Mantz airmotions GmbH & Co. KG, Hacketäuerstr. 4, D-42651 Solingen

Telephone +49 (0)212-24200-0, Fax +49 (0)212-24200-17

Info@mantz.de www.mantz.de

E-mail address of the competent person: info@chemical-check.de, k.schnurbusch@chemical-check.de

#### 1.4 Emergency telephone

##### **Advisory office in case of poisoning:**

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##### **Telephone number of the company in case of emergencies:**

Tel.: +49 (0)212-24200-0

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

##### **2.1.1 Classification according to Regulation (EC) 1272/2008 (CLP)**

Not determined

##### **2.1.2 Classification according to Directives 67/548/EEC and 1999/45/EC (including amendments).**

Dangerous for the environment, R52-53

#### 2.2 Label elements

##### **2.2.1 Labeling according to Regulation (EC) 1272/2008 (CLP)**

Not determined

##### **2.2.2 Labeling according to Directives 67/548/EEC and 1999/45/EC (including amendments).**

Symbols: Not applicable

Indications of danger: ---

R-phrases:

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases:

56 Dispose of this material and its container to hazardous or special waste collection point.

Additions:

Contains

(R)-p-mentha-1,8-diene

Citral

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May produce an allergic reaction.

### 2.3 Other hazards

The mixture contains no vPvB substance (vPvB = very persistent, very bioaccumulative).

The mixture contains no PBT substance (PBT = persistent, bioaccumulative, toxic).

Allergic reaction possible.

## REGULATION (EC) No 648/2004

n.a.

## SECTION 3: Composition/information on ingredients

### 3.1 Substance

n.a.

### 3.2 Mixture

2,6-Dimethyloct-7-en-2-ol	
Registration number (ECHA)	
Index	---
EINECS, ELINCS	242-362-4
CAS	CAS 18479-58-8
content %	1-<10
Symbol	Xi
R-phrases	38
Classification categories / Indications of danger	Irritant
Hazard class/Hazard category	<b>Hazard statement</b>
Skin Irrit./2	H315

linalool	
Registration number (ECHA)	-
Index	---
EINECS, ELINCS	201-134-4
CAS	CAS 78-70-6
content %	1-5
Symbol	Xi
R-phrases	38
Classification categories / Indications of danger	Irritant
Hazard class/Hazard category	<b>Hazard statement</b>
Skin Irrit./2	H315

2,6-Octadienal, 3,7-dimethyl-, acid isomerized	
Registration number (ECHA)	-
Index	---
EINECS, ELINCS	291-768-8
CAS	CAS 90480-35-6
content %	1-5
Symbol	F/Xi
R-phrases	11-38-52-53
Classification categories / Indications of danger	Dangerous for the environment, Highly flammable, Irritant
Hazard class/Hazard category	<b>Hazard statement</b>
Flam. Liq./2	H225
Skin Irrit./2	H315
Aquatic Chronic/3	H412

3,5,5-trimethylhexyl acetate	
Registration number (ECHA)	-
Index	---
EINECS, ELINCS	261-245-9
CAS	CAS 58430-94-7
content %	1-5
Symbol	Xi
R-phrases	36
Classification categories / Indications of danger	Irritant
Hazard class/Hazard category	<b>Hazard statement</b>
Eye Irrit./2	H319

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<b>(R)-p-mentha-1,8-diene</b>	
<b>Registration number (ECHA)</b>	-
<b>Index</b>	601-029-00-7
<b>EINECS, ELINCS</b>	227-813-5
<b>CAS</b>	CAS 5989-27-5
<b>content %</b>	0,25-<1
<b>Symbol</b>	Xi/N
<b>R-phrases</b>	10-38-43-50-53
<b>Classification categories / Indications of danger</b>	Dangerous for the environment, Flammable, Irritant, Sensitizing
<b>Hazard class/Hazard category</b>	<b>Hazard statement</b>
Flam. Liq./3	H226
Skin Irrit./2	H315
Skin Sens./1	H317
Aquatic Acute/1	H400
Aquatic Chronic/1	H410

<b>Dodecanenitrile</b>	
<b>Registration number (ECHA)</b>	-
<b>Index</b>	---
<b>EINECS, ELINCS</b>	219-440-1
<b>CAS</b>	CAS 2437-25-4
<b>content %</b>	0,25-<1
<b>Symbol</b>	N
<b>R-phrases</b>	50-53
<b>Classification categories / Indications of danger</b>	Dangerous for the environment
<b>Hazard class/Hazard category</b>	<b>Hazard statement</b>
Aquatic Acute/1	H400
Aquatic Chronic/1	H410

<b>p-mentha-1,4(8)-diene</b>	
<b>Registration number (ECHA)</b>	-
<b>Index</b>	---
<b>EINECS, ELINCS</b>	209-578-0
<b>CAS</b>	CAS 586-62-9
<b>content %</b>	0,1-<1
<b>Symbol</b>	Xn/N
<b>R-phrases</b>	10-51-53-65
<b>Classification categories / Indications of danger</b>	Dangerous for the environment, Flammable, Harmful
<b>Hazard class/Hazard category</b>	<b>Hazard statement</b>
Flam. Liq./3	H226
Aquatic Chronic/2	H411
Asp. Tox./1	H304

<b>Dodecanal</b>	
<b>Registration number (ECHA)</b>	-
<b>Index</b>	---
<b>EINECS, ELINCS</b>	203-983-6
<b>CAS</b>	CAS 112-54-9
<b>content %</b>	0,1-<1
<b>Symbol</b>	Xi/N
<b>R-phrases</b>	38-51-53
<b>Classification categories / Indications of danger</b>	Dangerous for the environment, Irritant
<b>Hazard class/Hazard category</b>	<b>Hazard statement</b>
Skin Irrit./2	H315
Aquatic Chronic/2	H411

<b>2-tert-Butylcyclohexyl acetate</b>	
<b>Registration number (ECHA)</b>	-
<b>Index</b>	---
<b>EINECS, ELINCS</b>	201-828-7
<b>CAS</b>	CAS 88-41-5
<b>content %</b>	0,1-<1
<b>Symbol</b>	N
<b>R-phrases</b>	51-53

<b>Classification categories / Indications of danger</b>	Dangerous for the environment
<b>Hazard class/Hazard category</b>	<b>Hazard statement</b>
Aquatic Chronic/2	H411

<b>p-cymene</b>	
<b>Registration number (ECHA)</b>	-
<b>Index</b>	---
<b>EINECS, ELINCS</b>	202-796-7
<b>CAS</b>	CAS 99-87-6
<b>content %</b>	0,1-<1
<b>Symbol</b>	Xn/N
<b>R-phrases</b>	10-51-53-65
<b>Classification categories / Indications of danger</b>	Dangerous for the environment, Flammable, Harmful
<b>Hazard class/Hazard category</b>	<b>Hazard statement</b>
Flam. Liq./3	H226
Aquatic Chronic/2	H411
Asp. Tox./1	H304

<b>Citral</b>	
<b>Registration number (ECHA)</b>	-
<b>Index</b>	605-019-00-3
<b>EINECS, ELINCS</b>	226-394-6
<b>CAS</b>	CAS 5392-40-5
<b>content %</b>	0,1-<1
<b>Symbol</b>	Xi
<b>R-phrases</b>	38-43
<b>Classification categories / Indications of danger</b>	Irritant, Sensitizing
<b>Hazard class/Hazard category</b>	<b>Hazard statement</b>
Skin Irrit./2	H315
Skin Sens./1	H317

<b>p-mentha-1,3-diene</b>	
<b>Registration number (ECHA)</b>	-
<b>Index</b>	---
<b>EINECS, ELINCS</b>	202-795-1
<b>CAS</b>	CAS 99-86-5
<b>content %</b>	0,1-<1
<b>Symbol</b>	Xn/N
<b>R-phrases</b>	10-22-51-53-65
<b>Classification categories / Indications of danger</b>	Dangerous for the environment, Flammable, Harmful
<b>Hazard class/Hazard category</b>	<b>Hazard statement</b>
Flam. Liq./3	H226
Acute Tox./4	H302
Aquatic Chronic/2	H411
Asp. Tox./1	H304

For the text of the R-phrases / H-phrases and classification codes (GHS/CLP), see Section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### Inhalation

Supply person with fresh air and consult doctor according to symptoms.

#### Skin contact

Wash thoroughly with soap and water.

Remove contaminated clothing immediately.

#### Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

#### Ingestion

Call doctor immediately - have Data Sheet available.

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

Where relevant delayed occurring symptoms and effects will be found in section 11. or at the exposure routes under section 4.1.

The following may occur:

Allergic reaction possible.

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

n.c.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

##### Suitable extinguishing media

Adapt to the nature and extent of fire.

Water jet spray/foam/CO<sub>2</sub>/dry extinguisher

##### Unsuitable extinguishing media

None known

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

In case of fire the following can develop:

Oxides of carbon

Toxic pyrolysis products.

#### 5.3 Advice for firefighters

According to size of fire

Protective respirator with independent air supply.

Full protection, if necessary

Dispose of contaminated extinction water according to official regulations.

### SECTION 6: Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

No special measures required.

Ensure sufficient supply of air.

Avoid contact with eyes or skin.

#### 6.2 Environmental precautions

Prevent from entering drainage system.

Prevent surface and ground-water infiltration, as well as ground penetration.

#### 6.3 Methods and material for containment and cleaning up

Pick up mechanically and dispose of according to Section 13.

#### 6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

### SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

#### 7.1 Precautions for safe handling

Ensure good ventilation.

Avoid long lasting or intensive contact with skin.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

#### 7.2 Conditions for safe storage, including any incompatibilities

Store product closed and only in original packing.

Not to be stored in gangways or stair wells.

See section 10.

Store at room temperature.

Store in a dry place.

#### 7.3 Specific end use(s)

No information available at present.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

## 8.2 Exposure controls

### 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.  
 If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.  
 Applies only if maximum permissible exposure values are listed here.

### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.  
 Wash hands before breaks and at end of work.  
 Keep away from food, drink and animal feedingstuffs.  
 Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:  
 Normally not necessary.

Skin protection - Hand protection:  
 Normally not necessary.  
 With long-term contact:  
 If applicable  
 Rubber gloves (EN 374).  
 Protective hand cream recommended.

Skin protection - Other:  
 Usual protective working garments

Respiratory protection:  
 Normally not necessary.

Thermal hazards:  
 If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

Additional information on hand protection - No tests have been performed.  
 In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.  
 Selection of materials derived from glove manufacturer's indications.  
 Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account.  
 Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.  
 In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.  
 The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.3 Environmental exposure controls

No information available at present.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Solid
Colour:	According to specification
Odour:	Aromatic
Odour threshold:	Not determined
pH-value:	n.a.
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point:	66 °C (Aromatics )
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Lower explosive limit:	Not determined
Upper explosive limit:	Not determined
Vapour pressure:	Not determined
Vapour density (air = 1):	Not determined
Density:	Not determined
Bulk density:	Not determined
Solubility(ies):	Not determined
Water solubility:	Not determined

Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	n.a.
Explosive properties:	Not determined
Oxidising properties:	Not determined

**9.2 Other information**

Miscibility:	Not determined
Fat solubility / solvent:	Not determined
Conductivity:	Not determined
Surface tension:	Not determined
Solvents content:	Not determined

**SECTION 10: Stability and reactivity****10.1 Reactivity**

See also Subsection 10.4 to 10.6.

The product has not been tested.

**10.2 Chemical stability**

See also Subsection 10.4 to 10.6.

Stable with proper storage and handling.

**10.3 Possibility of hazardous reactions**

See also Subsection 10.4 to 10.6.

No decomposition if used as intended.

**10.4 Conditions to avoid**

See also section 7.

Protect from humidity.

**10.5 Incompatible materials**

No dangerous reactions are known.

**10.6 Hazardous decomposition products**

See also Subsection 10.4 to 10.6.

See also section 5.2

No decomposition when used as directed.

**SECTION 11: Toxicological information**

Classification according to calculation procedure.

SEBO FRESH - Lime - for vacuum cleaners						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity - single exposure (STOT-SE):						n.d.a.
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a.
Respiratory tract irritation:						n.d.a.
Repeated dose toxicity:						n.d.a.
Symptoms:						n.d.a.

**linalool**

Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	2790	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	5000	mg/kg	Rabbit		
Symptoms:						respiratory distress, coughing, mucous membrane irritation

<b>(R)-p-mentha-1,8-diene</b>						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	4400	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit		
Symptoms:						diarrhoea, rash, itching, gastrointestinal disturbances, mucous membrane irritation, nausea and vomiting.

<b>Dodecanitrile</b>						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Symptoms:						respiratory distress, unconsciousness, heart/circulatory disorders

<b>p-mentha-1,4(8)-diene</b>						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	4390	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit		

<b>Dodecanal</b>						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	23000	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit		
Symptoms:						mucous membrane irritation

<b>2-tert-Butylcyclohexyl acetate</b>						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	4600	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>5000	mg/kg	Rabbit		

<b>p-cymene</b>						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Symptoms:						breathing difficulties, respiratory distress, dizziness, unconsciousness, coughing, headaches, cramps, mucous membrane irritation, dizziness, nausea and vomiting.

<b>Citral</b>						
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Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	4960	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	2250	mg/kg	Rabbit		
Skin corrosion/irritation:						Irritant
Symptoms:						respiratory distress, dizziness, coughing, headaches, gastrointestinal disturbances, mucous membrane irritation, nausea

p-mentha-1,3-diene						
Toxicity/effect	Endpoint	Value	Unit	Organism	Test method	Notes
Symptoms:						drop in blood pressure, headaches, mucous membrane irritation

## SECTION 12: Ecological information

SEBO FRESH - Lime - for vacuum cleaners							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:							n.d.a.
Toxicity to daphnia:							n.d.a.
Toxicity to algae:							n.d.a.
Persistence and degradability:							n.d.a.
Bioaccumulative potential:							n.d.a.
Mobility in soil:							n.d.a.
Results of PBT and vPvB assessment							n.d.a.
Other adverse effects:							n.d.a.

linalool							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	27,8	mg/l	(Oncorhynchus mykiss)	OECD 203 (Fish, Acute Toxicity Test)	
Toxicity to daphnia:	EC50	48h	59	mg/l	(Daphnia magna)	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
Toxicity to algae:	EC50	96h	88,3	mg/l	(Scenedesmus subspicatus)	DIN 38412 T.9	
Persistence and degradability:		28d	80	%		OECD 301 C (Ready Biodegradability - Modified MITI Test (I))	
Toxicity to bacteria:	EC50	30min	>100	mg/l	(activated sludge)	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	

(R)-p-mentha-1,8-diene							
Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes

Toxicity to fish:	LC50	96h	0,70	mg/l	(Pimephales promelas)		
Toxicity to daphnia:	EC50	48h	0,42	mg/l	(Daphnia magna)		
Persistence and degradability:		28d	92	%		OECD 301 D (Ready Biodegradability - Closed Bottle Test)	

**Dodecanenitrile**

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	0,1-<1	mg/l			Analogous conclusion

**p-mentha-1,4(8)-diene**

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Persistence and degradability:		28d	62,1	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	
Persistence and degradability:		28d	51	%		OECD 301 F (Ready Biodegradability - Manometric Respirometry Test)	

**Citral**

Toxicity/effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to fish:	LC50	96h	>4,6	mg/l	(Leuciscus idus)		

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****For the substance / mixture / residual amounts**

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

07 07 99 wastes not otherwise specified

16 03 06 organic wastes other than those mentioned in 16 03 05

Recommendation:

Pay attention to local and national official regulations

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

**For contaminated packing material**

Pay attention to local and national official regulations

Recycling

15 01 01 paper and cardboard packaging

15 01 02 plastic packaging

**SECTION 14: Transport information****General statements**

UN number: n.a.

**Transport by road/by rail (ADR/RID)**

UN proper shipping name:

Transport hazard class(es): n.a.

Packing group: n.a.

Classification code: n.a.

LQ (ADR 2011): n.a.

LQ (ADR 2009): n.a.

Environmental hazards: Not applicable

Tunnel restriction code:

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### Transport by sea (IMDG-code)

UN proper shipping name:

Transport hazard class(es):

n.a.

Packing group:

n.a.

Marine Pollutant:

n.a.

Environmental hazards:

Not applicable

### Transport by air (IATA)

UN proper shipping name:

Transport hazard class(es):

n.a.

Packing group:

n.a.

Environmental hazards:

Not applicable

### Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

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

Non-dangerous material according to Transport Regulations.

### Additional information:

Non-dangerous material according to Transport Regulations.

## SECTION 15: Regulatory information

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

For classification and labelling see Section 2.

Observe restrictions:

n.a.

### 15.2 Chemical safety assessment

No information available at present.

## SECTION 16: Other information

These details refer to the product as it is delivered.

Revised sections:

3

The following statements are the indicated R-phrases / H-phrases and classification codes (GHS/CLP) for the ingredients (listed in Section 3).

22 Harmful if swallowed.

38 Irritating to skin.

11 Highly flammable.

43 May cause sensitization by skin contact.

10 Flammable.

50 Very toxic to aquatic organisms.

51 Toxic to aquatic organisms.

52 Harmful to aquatic organisms.

53 May cause long-term adverse effects in the aquatic environment.

36 Irritating to eyes.

65 Harmful: may cause lung damage if swallowed.

H225 Highly flammable liquid and vapour.

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.

H412 Harmful to aquatic life with long lasting effects.

Skin Irrit.-Skin irritation

Flam. Liq.-Flammable liquid

Aquatic Chronic-Hazardous to the aquatic environment - chronic

Eye Irrit.-Eye irritation

Skin Sens.-Skin sensitization

Aquatic Acute-Hazardous to the aquatic environment - acute

Asp. Tox.-Aspiration hazard

Acute Tox.-Acute toxicity - oral

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

Revised on / Version: 29.04.2011 / 0004

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SEBO FRESH - Lime - for vacuum cleaners

### Legend:

n.a. = not applicable / n.v., n.av. = not available / n.g., n.c. = not checked / k.D.v., n.d.a. = no data available

WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference period), STEL = Short-term exposure limit (15-minute reference period) / BMGV = Biological monitoring guidance value EH40

AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = "Biologischer Grenzwert" (biological limit value, Germany)

VbF = Regulations for flammable liquids (Austria)

VOC = Volatile organic compounds

AOX = Adsorbable organic halogen compounds

ATE = Acute Toxicity Estimates according to Regulation (EC) 1272/2008 (CLP)

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.

No responsibility.

These statements were made by:

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