

Page 1 of 13  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 07.01.2016 / 0003  
Replacing version dated / version: 09.01.2015 / 0002  
Valid from: 07.01.2016  
PDF print date: 24.08.2016  
Crystale Dishwasher Freshener Lemon Fresh

## 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

### Crystale Dishwasher Freshener Lemon Fresh

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

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

Air refresher against odours in dishwashers

##### Uses advised against:

No information available at present.

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

GB

SWIF GmbH South West International Fragrance, Merkurstrasse 3, 67663 Kaiserslautern, Germany  
Phone: + 49 (0) 631 / 3709220, Fax: --  
info@swif.eu

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

#### 1.4 Emergency telephone number

##### Emergency information services / official advisory body:

---

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

+49 (0) 700 / 24 112 112 (SWI)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

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

The mixture is not classified as dangerous in the terms of the Regulation (EC) 1272/2008 (CLP).

#### 2.2 Label elements

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

Not applicable

#### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

### SECTION 3: Composition/information on ingredients

#### 3.1 Substance

Page 2 of 13  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 07.01.2016 / 0003  
 Replacing version dated / version: 09.01.2015 / 0002  
 Valid from: 07.01.2016  
 PDF print date: 24.08.2016  
 Crystale Dishwasher Freshener Lemon Fresh

n.a.  
**3.2 Mixture**

<b>Distillates (petroleum), hydrotreated light</b>	
<b>Registration number (REACH)</b>	--
<b>Index</b>	649-422-00-2
<b>EINECS, ELINCS, NLP</b>	265-149-8
<b>CAS</b>	64742-47-8
<b>content %</b>	1-<10
<b>Classification according to Regulation (EC) 1272/2008 (CLP)</b>	Asp. Tox. 1, H304

<b>2,6-Dimethyloct-7-en-2-ol</b>	
<b>Registration number (REACH)</b>	--
<b>Index</b>	---
<b>EINECS, ELINCS, NLP</b>	242-362-4
<b>CAS</b>	18479-58-8
<b>content %</b>	1-<10
<b>Classification according to Regulation (EC) 1272/2008 (CLP)</b>	Eye Irrit. 2, H319

<b>3a,4,5,6,7,7a-hexahydro-4,7-methanoinden-6-yl acetate</b>	
<b>Registration number (REACH)</b>	--
<b>Index</b>	---
<b>EINECS, ELINCS, NLP</b>	226-501-6
<b>CAS</b>	5413-60-5
<b>content %</b>	1-10
<b>Classification according to Regulation (EC) 1272/2008 (CLP)</b>	Aquatic Chronic 3, H412

<b>Linalyl acetate</b>	
<b>Registration number (REACH)</b>	--
<b>Index</b>	---
<b>EINECS, ELINCS, NLP</b>	204-116-4
<b>CAS</b>	115-95-7
<b>content %</b>	1-2,5
<b>Classification according to Regulation (EC) 1272/2008 (CLP)</b>	Skin Irrit. 2, H315 Eye Irrit. 2, H319

<b>Isoalkanes, C11 - C15</b>	
<b>Registration number (REACH)</b>	--
<b>Index</b>	---
<b>EINECS, ELINCS, NLP</b>	292-460-6
<b>CAS</b>	90622-58-5
<b>content %</b>	1-2,5
<b>Classification according to Regulation (EC) 1272/2008 (CLP)</b>	Flam. Liq. 3, H226 Asp. Tox. 1, H304

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.  
 The substances named in this section are given with their actual, appropriate classification!  
 For substances that are listed in appendix VI, table 3.1/3.2 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.  
 If, for example, the note P is applied for a hydrocarbon then this has already been taken into account for the classification named here.  
 Quote: "Note P - The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7)."  
 Article 4 of the regulation (EC) no. 1272/2008 (CLP regulation) was also observed and taken into account for the classification named here.

## SECTION 4: First aid measures

## 4.1 Description of first aid measures

Never pour anything into the mouth of an unconscious person!

### Inhalation

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

### Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

### Eye contact

Remove contact lenses.

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

### Ingestion

Rinse the mouth thoroughly with water.

Give copious water to drink - consult doctor immediately.

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

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

## 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

Water jet spray/foam/CO2/dry extinguisher

#### Unsuitable extinguishing media

High volume water jet

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

In case of fire the following can develop:

Oxides of carbon

Toxic gases

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire

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

Ensure sufficient supply of air.

Remove possible causes of ignition - do not smoke.

Avoid contact with eyes or skin.

If applicable, caution - risk of slipping.

### 6.2 Environmental precautions

If leakage occurs, dam up.

Resolve leaks if this possible without risk.

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

Prevent from entering drainage system.

If accidental entry into drainage system occurs, inform responsible authorities.

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

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose of according to Section 13.

### 6.4 Reference to other sections

GB

Page 4 of 13  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 07.01.2016 / 0003  
 Replacing version dated / version: 09.01.2015 / 0002  
 Valid from: 07.01.2016  
 PDF print date: 24.08.2016  
 Crystale Dishwasher Freshener Lemon Fresh

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

#### 7.1.1 General recommendations

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.  
 Observe directions on label and instructions for use.  
 Use working methods according to operating instructions.  
 In case of direct contact with the ingredients:  
 Avoid contact with eyes or skin.

#### 7.1.2 Notes on general hygiene measures at the workplace

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.  
 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

Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40):  
 350 mg/m<sup>3</sup>

Chemical Name	Distillates (petroleum), hydrotreated light	Content %:1- <10
WEL-TWA: 300 mg/m <sup>3</sup> (AGW)	WEL-STEL: 2(II) (AGW)	---
Monitoring procedures:	- Draeger - Hydrocarbons 2/a (81 03 581) - Draeger - Hydrocarbons 0,1%/c (81 03 571) - Compur - KITA-187 S (551 174)	
BMGV: ---	Other information: ---	
Chemical Name	Isoalkanes, C11 - C15	Content %:1-2,5
WEL-TWA: 1200 mg/m <sup>3</sup> (>=C7 normal and branched chain alkanes)	WEL-STEL: ---	---
Monitoring procedures:	- Draeger - Hydrocarbons 2/a (81 03 581) - Draeger - Hydrocarbons 0,1%/c (81 03 571) - Compur - KITA-187 S (551 174)	
BMGV: ---	Other information: ---	

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period)  
 EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

\*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.

Page 5 of 13  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 07.01.2016 / 0003  
 Replacing version dated / version: 09.01.2015 / 0002  
 Valid from: 07.01.2016  
 PDF print date: 24.08.2016  
 Crystale Dishwasher Freshener Lemon Fresh

2,6-Dimethyloct-7-en-2-ol						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - marine		PNEC	27,8	µg/l	
	Environment - marine		PNEC	2,78	µg/l	
	Environment - sewage treatment plant		PNEC	10	mg/l	
	Environment - sediment, freshwater		PNEC	0,594	mg/kg	
	Environment - sediment, marine		PNEC	0,0594	mg/kg	
	Environment - soil		PNEC	0,103	mg/kg	
	Environment - water, sporadic (intermittent) release		PNEC	0,278	µg/l	
Consumer	Human - oral	Long term, systemic effects	DNEL	12,5	mg/kg body weight/day	
Consumer	Human - dermal	Long term, systemic effects	DNEL	12,5	mg/kg body weight/day	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	21,7	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	20,8	mg/kg bw/day	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	73,5	mg/kg	

Linalyl acetate						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - sewage treatment plant		PNEC	10	mg/l	
Consumer	Human - dermal	Long term, systemic effects	DNEL	1,25	mg/kg	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	0,7	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	0,2	mg/kg	
Consumer	Human - dermal	Short term, local effects	DNEL	8	mg/cm2	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	2,5	mg/kg	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	2,75	mg/m3	
Workers / employees	Human - dermal	Short term, local effects	DNEL	8	mg/cm2	

## 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.

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

Revision date / version: 07.01.2016 / 0003

Replacing version dated / version: 09.01.2015 / 0002

Valid from: 07.01.2016

PDF print date: 24.08.2016

Crystale Dishwasher Freshener Lemon Fresh

## 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.

Skin protection - Other:

Normally not necessary.

Respiratory protection:

Normally not necessary.

Thermal hazards:

Not applicable

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:	Liquid
Colour:	According to specification
Odour:	Perfumed
Odour threshold:	Not determined
pH-value:	Not determined
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point:	>60 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	n.a.
Lower explosive limit:	Not determined
Upper explosive limit:	Not determined
Vapour pressure:	Not determined
Vapour density (air = 1):	Not determined
Density:	0,945-0,959 g/cm <sup>3</sup> (20°C)
Bulk density:	n.a.
Solubility(ies):	Not determined
Water solubility:	Not determined
Partition coefficient (n-octanol/water):	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	230 °C

Page 7 of 13  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 07.01.2016 / 0003  
 Replacing version dated / version: 09.01.2015 / 0002  
 Valid from: 07.01.2016  
 PDF print date: 24.08.2016  
 Crystale Dishwasher Freshener Lemon Fresh

Viscosity: Not determined  
 Explosive properties: Product is not explosive. When using: development of explosive vapour/air mixture possible.  
 Oxidising properties: No

## 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

The product has not been tested.

### 10.2 Chemical stability

Stable with proper storage and handling.

### 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

### 10.4 Conditions to avoid

See also section 7.

None known

### 10.5 Incompatible materials

See also section 7.

None known

### 10.6 Hazardous decomposition products

See also section 5.2

No decomposition when used as directed.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification).

#### Crystale Dishwasher Freshener Lemon Fresh

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.
Symptoms:						n.d.a.

**Distillates (petroleum), hydrotreated light**





Page 9 of 13  
 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
 Revision date / version: 07.01.2016 / 0003  
 Replacing version dated / version: 09.01.2015 / 0002  
 Valid from: 07.01.2016  
 PDF print date: 24.08.2016  
 Crystale Dishwasher Freshener Lemon Fresh

12.6. Other adverse effects:							n.d.a.
------------------------------	--	--	--	--	--	--	--------

Linalyl acetate							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	11	mg/l	Cyprinus caprio	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to daphnia:	EC50	48h	15	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to algae:	EC50	72h	62	mg/l	Scenedesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.1. Toxicity to algae:	NOEC/NOEL	72h	9,6	mg/l	Scenedesmus subspicatus	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	76	%	activated sludge	OECD 301 F (Ready Biodegradability - Manometric Respirometry Test)	Readily biodegradable
12.3. Bioaccumulative potential:	Log Pow		3,9			OECD 107 (Partition Coefficient (n-octanol/water) - Shake Flask Method)	
Water solubility:			8,2	mg/l			Insoluble25°C

## 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. (2014/955/EU)

16 03 05 organic wastes containing hazardous substances

Recommendation:

Sewage disposal shall be discouraged.

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.

Empty container completely.

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

## SECTION 14: Transport information

### General statements

Page 10 of 13  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 07.01.2016 / 0003  
Replacing version dated / version: 09.01.2015 / 0002  
Valid from: 07.01.2016  
PDF print date: 24.08.2016  
Crystale Dishwasher Freshener Lemon Fresh

14.1. UN number: n.a.  
**Transport by road/by rail (ADR/RID)**  
14.2. UN proper shipping name:  
14.3. Transport hazard class(es): n.a.  
14.4. Packing group: n.a.  
Classification code: n.a.  
LQ (ADR 2015): n.a.  
14.5. Environmental hazards: Not applicable  
Tunnel restriction code:

#### **Transport by sea (IMDG-code)**

14.2. UN proper shipping name:  
14.3. Transport hazard class(es): n.a.  
14.4. Packing group: n.a.  
Marine Pollutant: n.a.  
14.5. Environmental hazards: Not applicable

#### **Transport by air (IATA)**

14.2. UN proper shipping name:  
14.3. Transport hazard class(es): n.a.  
14.4. Packing group: n.a.  
14.5. Environmental hazards: Not applicable

#### **14.6. Special precautions for user**

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

#### **14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

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:

General hygiene measures for the handling of chemicals are applicable.

### **15.2 Chemical safety assessment**

A chemical safety assessment is not provided for mixtures.

## **SECTION 16: Other information**

Revised sections: 1-16

### **Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):**

Not applicable

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

Asp. Tox. — Aspiration hazard

Eye Irrit. — Eye irritation

Aquatic Chronic — Hazardous to the aquatic environment - chronic

Skin Irrit. — Skin irritation

Flam. Liq. — Flammable liquid

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

Revision date / version: 07.01.2016 / 0003

Replacing version dated / version: 09.01.2015 / 0002

Valid from: 07.01.2016

PDF print date: 24.08.2016

Crystale Dishwasher Freshener Lemon Fresh

## Any abbreviations and acronyms used in this document:

AC Article Categories

acc., acc. to according, according to

ACGIH American Conference of Governmental Industrial Hygienists

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)

AOEL Acceptable Operator Exposure Level

AOX Adsorbable organic halogen compounds

approx. approximately

Art., Art. no. Article number

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

BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)

BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)

BCF Bioconcentration factor

BGV Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)

BHT Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)

BMGV Biological monitoring guidance value (EH40, UK)

BOD Biochemical oxygen demand

BSEF Bromine Science and Environmental Forum

bw body weight

CAS Chemical Abstracts Service

CEC Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids

CESIO Comité Européen des Agents de Surface et de leurs Intermédiaires Organiques

CIPAC Collaborative International Pesticides Analytical Council

CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures)

CMR carcinogenic, mutagenic, reproductive toxic

COD Chemical oxygen demand

CTFA Cosmetic, Toiletry, and Fragrance Association

DMEL Derived Minimum Effect Level

DNEL Derived No Effect Level

DOC Dissolved organic carbon

DT50 Dwell Time - 50% reduction of start concentration

DVS Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)

dw dry weight

e.g. for example (abbreviation of Latin 'exempli gratia'), for instance

EC European Community

ECHA European Chemicals Agency

EEA European Economic Area

EEC European Economic Community

EINECS European Inventory of Existing Commercial Chemical Substances

ELINCS European List of Notified Chemical Substances

EN European Norms

EPA United States Environmental Protection Agency (United States of America)

ERC Environmental Release Categories

ES Exposure scenario

etc. et cetera

EU European Union

EWC European Waste Catalogue

Fax. Fax number

gen. general

GHS Globally Harmonized System of Classification and Labelling of Chemicals

GWP Global warming potential

HET-CAM Hen's Egg Test - Chorionallantoic Membrane

HGWP Halocarbon Global Warming Potential

Page 12 of 13  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 07.01.2016 / 0003  
Replacing version dated / version: 09.01.2015 / 0002  
Valid from: 07.01.2016  
PDF print date: 24.08.2016  
Crystale Dishwasher Freshener Lemon Fresh

IARC International Agency for Research on Cancer  
IATA International Air Transport Association  
IBC Intermediate Bulk Container  
IBC (Code) International Bulk Chemical (Code)  
IC Inhibitory concentration  
IMDG-code International Maritime Code for Dangerous Goods  
incl. including, inclusive  
IUCLID International Uniform Chemical Information Database  
LC lethal concentration  
LC50 lethal concentration 50 percent kill  
LCLo lowest published lethal concentration  
LD Lethal Dose of a chemical  
LD50 Lethal Dose, 50% kill  
LDLo Lethal Dose Low  
LOAEL Lowest Observed Adverse Effect Level  
LOEC Lowest Observed Effect Concentration  
LOEL Lowest Observed Effect Level  
LQ Limited Quantities  
MARPOL International Convention for the Prevention of Marine Pollution from Ships  
n.a. not applicable  
n.av. not available  
n.c. not checked  
n.d.a. no data available  
NIOSH National Institute of Occupational Safety and Health (United States of America)  
NOAEC No Observed Adverse Effective Concentration  
NOAEL No Observed Adverse Effect Level  
NOEC No Observed Effect Concentration  
NOEL No Observed Effect Level  
ODP Ozone Depletion Potential  
OECD Organisation for Economic Co-operation and Development  
org. organic  
PAH polycyclic aromatic hydrocarbon  
PBT persistent, bioaccumulative and toxic  
PC Chemical product category  
PE Polyethylene  
PNEC Predicted No Effect Concentration  
POCP Photochemical ozone creation potential  
ppm parts per million  
PROC Process category  
PTFE Polytetrafluorethylene  
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)  
REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.  
RID Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)  
SADT Self-Accelerating Decomposition Temperature  
SAR Structure Activity Relationship  
SU Sector of use  
SVHC Substances of Very High Concern  
Tel. Telephone  
ThOD Theoretical oxygen demand  
TOC Total organic carbon  
TRGS Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)  
UN RTDG United Nations Recommendations on the Transport of Dangerous Goods  
VbF Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))  
VOC Volatile organic compounds  
vPvB very persistent and very bioaccumulative

Page 13 of 13  
Safety data sheet according to Regulation (EC) No 1907/2006, Annex II  
Revision date / version: 07.01.2016 / 0003  
Replacing version dated / version: 09.01.2015 / 0002  
Valid from: 07.01.2016  
PDF print date: 24.08.2016  
Crystale Dishwasher Freshener Lemon Fresh

---

WEL-TWA, WEL-STEL WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period), WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).

WHO World Health Organization

wwt wet weight

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:

**Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90**

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.