

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 07.10.2021

Version number 2 (replaces version 1)

Revision: 07.10.2021

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

- **1.1 Product identifier**
- **Trade name:** K2 DEOCAR FRESH CITRUS
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Air freshener
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Melle Sp. z o. o.  
Stary Staw 9  
63-400 OSTRÓW WLKP.  
POLAND
- **Further information obtainable from:**  
Product safety department.  
zakupy@inter-global.com.pl
- **1.4 Emergency telephone number:** During normal opening times: 0048/62 737 88 00

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



Flam. Liq. 2      H225 Highly flammable liquid and vapour.



Eye Irrit. 2      H319 Causes serious eye irritation.  
Skin Sens. 1      H317 May cause an allergic skin reaction.

Aquatic Chronic 3      H412 Harmful to aquatic life with long lasting effects.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02      GHS07

- **Signal word** Danger
- **Hazard-determining components of labelling:**  
(R)-p-mentha-1,8-diene  
Coumarin  
dl-Citronellol
- **Hazard statements**  
H225 Highly flammable liquid and vapour.

(Contd. on page 2)

GB

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 07.10.2021

Version number 2 (replaces version 1)

Revision: 07.10.2021

**Trade name: K2 DEOCAR FRESH CITRUS**

(Contd. of page 1)

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P264 Wash thoroughly after handling.

P280 Wear protective gloves.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P501 Dispose of contents/container to a waste container.

**2.3 Other hazards****Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

**3.2 Mixtures**· **Description:** Mixture: consisting of the following components.**Dangerous components:**

CAS: 64-17-5 EINECS: 200-578-6 Reg.nr.: 01-2119457610-43-XXXX	ethanol Flam. Liq. 2, H225; Eye Irrit. 2, H319 Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 %	<70%
CAS: 88-41-5 EINECS: 201-828-7	2-tert-butylcyclohexyl acetate Aquatic Chronic 2, H411	<5%
CAS: 112-53-8 EINECS: 203-982-0	Lauryl alcohol Skin Irrit. 2, H315	<5%
CAS: 151-05-3 EINECS: 205-781-3	1,1-Dimethyl-2-phenylethyl acetate Aquatic Chronic 3, H412	<5%
CAS: 5413-60-5 EINECS: 226-501-6	Tricyclodecenyl acetate Aquatic Chronic 3, H412	<5%
CAS: 5989-27-5 EINECS: 227-813-5 Reg.nr.: 01-2119529223-47-XXXX	(R)-p-mentha-1,8-diene Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Skin Sens. 1, H317	<5%
CAS: 17511-60-3 EINECS: 241-514-7	Tricyclodecenyl propionate Aquatic Chronic 2, H411	<5%
CAS: 18479-58-8 EINECS: 242-362-4 Reg.nr.: 01-2119457274-37-XXXX	2,6-dimethyloct-7-en-2-ol Skin Irrit. 2, H315; Eye Irrit. 2, H319	<5%
CAS: 32210-23-4 EINECS: 250-954-9	4-tert-butylcyclohexyl acetate Aquatic Chronic 2, H411	<3%
CAS: 91-64-5 EINECS: 202-086-7 Reg.nr.: 01-2119949300-45-XXXX	Coumarin STOT RE 2, H373; Acute Tox. 4, H302; Skin Sens. 1, H317	<2%
CAS: 106-22-9 EINECS: 203-375-0 Reg.nr.: 01-2119453995-23-XXXX	dl-Citronellol Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	<2%

(Contd. on page 3)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 07.10.2021

Version number 2 (replaces version 1)

Revision: 07.10.2021

Trade name: K2 DEOCAR FRESH CITRUS

(Contd. of page 2)

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

##### · General information:

Take affected persons out into the fresh air.

Personal protection for the First Aider.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.· **After skin contact:** Generally the product does not irritate the skin.· **After eye contact:** Rinse opened eye for several minutes under running water.· **After swallowing:** If symptoms persist consult doctor.· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### SECTION 5: Firefighting measures

#### · 5.1 Extinguishing media

· **Suitable extinguishing agents:** CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray.· **For safety reasons unsuitable extinguishing agents:** Water with full jet· **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

#### · 5.3 Advice for firefighters

· **Protective equipment:** No special measures required.· **Additional information** Cool endangered receptacles with water spray.

### SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures** Not required.· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

#### · 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

### SECTION 7: Handling and storage

· **7.1 Precautions for safe handling** No special precautions are necessary if used correctly.· **Information about fire - and explosion protection:** No special measures required.

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

##### · Storage:

· **Requirements to be met by storerooms and receptacles:** No special requirements.· **Information about storage in one common storage facility:** Not required.· **Further information about storage conditions:** None.· **7.3 Specific end use(s)** No further relevant information available.

GB

(Contd. on page 4)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 07.10.2021

Version number 2 (replaces version 1)

Revision: 07.10.2021

Trade name: K2 DEOCAR FRESH CITRUS

(Contd. of page 3)

### SECTION 8: Exposure controls/personal protection

#### · 8.1 Control parameters

##### · Ingredients with limit values that require monitoring at the workplace:

###### 64-17-5 ethanol

WEL Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

#### · DNELs

###### 64-17-5 ethanol

Oral	consumers-long-term systemic exposure	87 mg/kg m.c. (consumers)
Dermal	consumer-long-term systemic effect	206 mg/kg m.c. (consumers)
	workers-long-term systemic exposure	343 mg/kg m.c. (workers)
	workers-short-term systemic exposure	1,900 mg/kg m.c. (workers)
Inhalative	consumer- long-term systemic effects	114 mg/m <sup>3</sup> (consumers)
	workers-long-term exposure inhalation	950 mg/kg/m.c. (workers)

#### · PNECs

###### 64-17-5 ethanol

Oral	microorganisms during wastewater treatment	580 mg/l (environment)
	soil	0.63 mg/kg (environment)
	sediment	3.6 mg/kg (environment)
	marine environment	0.79 mg/l (environment)
	freshwater environment	0.96 mg/l (environment)
	STP	2.75 mg/l (environment)

· **Additional information:** The lists valid during the making were used as basis.

#### · 8.2 Exposure controls

· **Appropriate engineering controls** No further data; see item 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Respiratory protection:** Not required.

##### · Hand protection

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

##### · Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

##### · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye/face protection** Goggles recommended during refilling

GB

(Contd. on page 5)

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 07.10.2021

Version number 2 (replaces version 1)

Revision: 07.10.2021

Trade name: K2 DEOCAR FRESH CITRUS

(Contd. of page 4)

#### SECTION 9: Physical and chemical properties

##### · 9.1 Information on basic physical and chemical properties

##### · General Information

· Colour:	Different according to colouring
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	Undetermined.
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	16 °C
· Auto-ignition temperature:	Product is not selfigniting.
· Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Soluble.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density:	Not determined.
· Relative density	Not determined.
· Vapour density	Not determined.

##### · 9.2 Other information

· Appearance:	
· Form:	Liquid
· Important information on protection of health and environment, and on safety.	
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Change in condition	
· Evaporation rate	Not determined.

##### · Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	
Highly flammable liquid and vapour.	
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void

(Contd. on page 6)

GB

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 07.10.2021

Version number 2 (replaces version 1)

Revision: 07.10.2021

**Trade name: K2 DEOCAR FRESH CITRUS**

(Contd. of page 5)

- |  |      |
|--|------|
| · <b>Substances and mixtures, which emit flammable gases in contact with water</b> | Void |
| · <b>Oxidising liquids</b>   | Void |
| · <b>Oxidising solids</b>  | Void |
| · <b>Organic peroxides</b>   | Void |
| · <b>Corrosive to metals</b>   | Void |
| · <b>Desensitised explosives</b>   | Void |

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

#### · **LD/LC50 values relevant for classification:**

##### **64-17-5 ethanol**

Oral	LD50	7,060 mg/kg (rat)
Inhalative	LC50/4 h	20,000 mg/l (rat)

##### **112-53-8 Lauryl alcohol**

Oral	LD50	12,800 mg/kg (rat)
------	------	--------------------

##### **5989-27-5 (R)-p-mentha-1,8-diene**

Oral	LD50	4,400 mg/kg (rat)
------	------	-------------------

##### **32210-23-4 4-tert-butylcyclohexyl acetate**

Oral	LD50	5,000 mg/kg (rat)
------	------	-------------------

##### **91-64-5 Coumarin**

Oral	LD50	293 mg/kg (rat)
------	------	-----------------

##### **106-22-9 dl-Citronellol**

Oral	LD50	3,450 mg/kg (rat)
Dermal	LD50	2,650 mg/kg (rabbit)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation**  
May cause an allergic skin reaction.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.

(Contd. on page 7)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 07.10.2021

Version number 2 (replaces version 1)

Revision: 07.10.2021

Trade name: K2 DEOCAR FRESH CITRUS

(Contd. of page 6)

- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **11.2 Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Additional ecological information:**
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li>· <b>14.1 UN number or ID number</b></li> <li>· <b>ADR, IMDG, IATA</b></li> </ul>                                    | UN1993  |
| <ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG</b></li> <li>· <b>IATA</b></li> </ul> | 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))<br>FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL))<br>FLAMMABLE LIQUID, N.O.S. (ETHANOL) |

(Contd. on page 8)

GB

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 07.10.2021

Version number 2 (replaces version 1)

Revision: 07.10.2021

Trade name: K2 DEOCAR FRESH CITRUS

(Contd. of page 7)

## · 14.3 Transport hazard class(es)

· ADR, IMDG, IATA



· Class 3 Flammable liquids.  
 · Label 3

## · 14.4 Packing group

· ADR, IMDG, IATA II

· 14.5 Environmental hazards: Not applicable.

· 14.6 Special precautions for user Warning: Flammable liquids.

· Hazard identification number (Kemler code): 33

· EMS Number: F-E,S-D

· Stowage Category B

· 14.7 Maritime transport in bulk according to IMO instruments Not applicable.

## · Transport/Additional information:

## · ADR

· Limited quantities (LQ) 5L

· Excepted quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· Transport category 2

· Tunnel restriction code D/E

## · IMDG

· Limited quantities (LQ) 5L

· Excepted quantities (EQ) Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· UN "Model Regulation": UN 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)), 3, II

## SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· Seveso category P5c FLAMMABLE LIQUIDS

· Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t

· Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t

## · National regulations:

1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC)

(Contd. on page 9)

## Safety data sheet according to 1907/2006/EC, Article 31

Printing date 07.10.2021

Version number 2 (replaces version 1)

Revision: 07.10.2021

**Trade name: K2 DEOCAR FRESH CITRUS**

(Contd. of page 8)

No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

2. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Local regulations.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

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.

H373 May cause damage to organs through prolonged or repeated exposure.

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.

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3