

according to Regulation (EC) No 1907/2006 (REACH) as amended

LEA-82 Spring Flowers Creation date 26. February 2016 Revision date 19. February 2018 Version 2.0 SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1. **Product identifier** LEA-82 Spring Flowers Substance / mixture mixture Number IC-3 111 003 002 EN 1.2. Relevant identified uses of the substance or mixture and uses advised against mixture's intended use Air freshener. Disapproved uses of mixture The product should not be used in ways other then those referred in Section 1. 1.3. Details of the supplier of the safety data sheet Kraco Car Care International Ltd. Name or trade name Address 4 Ambassador Place Stockport Road Altrincham, WA15 8DB Phone +44 (0) 161 927 7000 E-mail kcci-orders@kraco.co.uk Web address www.kraco.co.uk

1.4. Emergency telephone number

+44 (0) 161 927 7000 (Monday - Friday 09:00 to 17:00) UK National Emergency Number: 111

SECTION 2: Hazards identification

2.1. Substance or mixture classification Classification of the mixture in accordance with Regulation (EC) No 1272/2008 The mixture is classified as dangerous.

Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Aquatic Chronic 3, H412

Full text of all classifications and hazard statements is given in the section 16.

Most serious adverse effects on human health and the environment

May cause an allergic skin reaction. Causes serious eye irritation. Causes skin irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram



Warning

Hazard statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
Precautionary state	ements
P101	If medical advice is needed, have product container or label at hand.



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P102	Keep out of reach of childre	n.			
P301+P310	IF SWALLOWED: Immediate	ely call a POISON CENTER/	doctor.		
P302+P352	IF ON SKIN: Wash with pler	ity of water.			
P305+P351+P338	IF IN EYES: Rinse cautiously present and easy to do. Cor		nutes. Remove contact lenses, if	f	
P501	Dispose of contents/contain	er to in accordance with lo	cal regulations.		

2.3. Other hazards

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight Classification according to Regulation (EC) No 1272/2008		Note.
CAS: 25265-71-8 EC: 246-770-3 Registration number: 01-2119456811-38	Oxydipropanol	≤25		
CAS: 122-40-7 EC: 204-541-5	2-Benzylidenheptanal	0,5-2,5	Skin Sens. 1B, H317 Aquatic Chronic 2, H411	
CAS: 78-70-6 EC: 201-134-4	Linalool	0,5-2,5	Skin Irrit. 2, H315 Eye Irrit. 2, H319	
CAS: 60-12-8 EC: 200-456-2	2-phenylethanol	0,5-2,5	Acute Tox. 4, H302 Eye Irrit. 2, H319	
CAS: 106-22-9 EC: 203-375-0	citronellol	0,5-2,5	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319	
CAS: 106-24-1 EC: 203-377-1 Registration number: 01-2119552430-49- xxxx	Geraniol	0,3-1,5	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318	
CAS: 118-58-1 EC: 204-262-9	Benzyl salicylate	0,2-1,3	Skin Sens. 1B, H317 Eye Irrit. 2, H319 STOT SE 2, H371 Aquatic Chronic 3, H412	
CAS: 80-26-2 EC: 201-265-7	alpha-terpineol acetate	0,2-1,3	Aquatic Chronic 2, H411	
CAS: 80-54-6 EC: 201-289-8 Registration number: 01-2119485965-18- 0000	2-(4-tert-butylbenzyl)propionaldehyde	0,2-1,3	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361 Aquatic Chronic 2, H411	
CAS: 138-86-3 EC: 205-341-0	Dipentene	0,2-1,3	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400, M=1 Aquatic Chronic 1, H410, M=1	
CAS: 115-95-7 EC: 204-116-4	Linalyl acetate	0,2-1,3	Skin Irrit. 2, H315 Eye Irrit. 2, H319	



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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.		
CAS: 140-11-4 EC: 205-399-7	Benzyl acetate	0,2-1,3	Aquatic Chronic 3, H412			
CAS: 18479-58-8 EC: 242-362-4 Registration number: 01-2119457274-37- 0000	2,6-dimethyloct-7-en-2-ol	0,1-0,7	Skin Irrit. 2, H315 Eye Irrit. 2, H319			
CAS: 8000-41-7 EC: 232-268-1 Registration number: 01-2119553062-49- 0000	Terpineol	0,1-0,7	Skin Irrit. 2, H315 Eye Irrit. 2, H319			
CAS: 7785-26-4 EC: 232-077-3	Pine Oil	0,1-0,7	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Skin Irrit. 2, H315 Skin Sens. 1, H317			
CAS: 105-87-3 EC: 203-341-5	2,6-Octadien-1-ol-3,7-dimethylacetate	<0,3	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 3, H412			
CAS: 120-72-9 EC: 204-420-7	Indol	<0,3	Acute Tox. 4, H302 Acute Tox. 3, H311			
CAS: 110-41-8 EC: 203-765-0	2-methylundecanal	<0,3	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410			
CAS: 5392-40-5 EC: 226-394-6	Citral	<0,3	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319			
CAS: 68039-49-6 EC: 268-264-1	2,4-dimethylcyclohex-3-ene-1-carbaldehyde	<0,3	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Irrit. 2, H319 Aquatic Chronic 3, H412			
CAS: 14901-07-6 EC: 238-969-9	Beta-Ionone	<0,3	Aquatic Chronic 2, H411			
CAS: 101-86-0 EC: 202-983-3 Registration number: 01-2119533092-50- 0000	a-hexylcinnamaldehyde	<0,3	Skin Sens. 1, H317 Aquatic Chronic 2, H411			

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet.

Inhalation

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

Skin contact

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.



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Eve contact

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

Indestion

DO NOT INDUCE VOMITING! Rinse out the mouth with water and provide 2-5 dL of water. Provide medical treatment if the person has any health problems.

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

Inhalation

Not expected.

Skin contact

May cause an allergic skin reaction.

Eve contact

Causes serious eye irritation.

Ingestion

Irritation, nausea.

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

Symptomatic treatment.

SECTION 5: Firefighting measures

Extinguishing media 5.1.

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Prevent contact with skin and eyes.

6.2. **Environmental precautions**

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Place the product mechanically in an appropriate manner. Dispose of the collected material according to the instructions in the section 13.

Reference to other sections 6.4. See the Section 7, 8 and 13.

SECTION 7: Handling and storage

Precautions for safe handling 7.1.

Prevent contact with skin and eyes. Wash hands and exposed parts of the body thoroughly after handling. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Storage class 13 - Other non-combustible solids Specific end use(s) 7.3.

not available



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SECTION 8: Exposure controls/personal protection 8.1.

Control parameters

none

8.2. **Exposure controls**

Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

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Eye/face protection

It is not needed.

Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

Respiratory protection

It is not needed.

Thermal hazard

Not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties 9.1.

Appearance	
Physical state	solid at 20°C
color	Blue
Odour	Characteristic
Odour threshold	data not available
рН	data not available
Melting point/freezing point	data not available
Initial boiling point and boiling range	data not available
Flash point	data not available
Evaporation rate	data not available
Flammability (solid, gas)	data not available
Upper/lower flammability or explosive limits	
flammability limits	data not available
explosive limits	data not available
Vapour pressure	data not available
Vapour density	data not available
Relative density	data not available
Solubility(ies)	
solubility in water	data not available
solubility in fats	data not available
Partition coefficient: n-octanol/water	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
Viscosity	data not available
Explosive properties	data not available
Oxidising properties	data not available
Other information	
Density	data not available
ignition temperature	data not available

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

9.2.



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10.2.	Chemical stabili	ty			
	The product is sta	ble under normal conditions.			
10.3.	Possibility of ha	zardous reactions			
	Unknown.				
10.4.	Conditions to av	oid			
	The product is sta against frost.	able and no degradation occurs	under normal use. Protec	t against flames, sparks, overhe	ating and
10.5.	Incompatible mat	aterials			
	Protect against st	rong acids, bases and oxidizing a	igents.		
10.6.	Hazardous deco	mposition products			
	Not developed un high temperature	der normal uses. Dangerous out and in fire.	comes such as carbon me	onoxide and carbon dioxide are	formed at

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

2-methylundecanal

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD50	>5000 mg/kg		Rat	
Dermal	LD50	>10000 mg/kg		Rabbit	

2-phenylethanol

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD50	1790 mg/kg		Rat	
Dermal	LD 50	2535 mg/kg		Rabbit	

citronellol

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	LD50	3450 mg/kg		Rat	
Dermal	LD50	2650 mg/kg		Rabbit	

Skin corrosion/irritation

Causes skin irritation.

2-phenylethanol

Route of exposure	Result	Time of exposure	Species
Skin	Slightly irritating		Guinea-pig

citronellol

Route of exposure	Result	Time of exposure	Species
Dermal	Irritating	48 hour	Human



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Serious eye damage/irritation

Causes serious eye irritation.

2-phenylethanol

Route of exposure	Result	Time of exposure	Species
Eye	Slightly irritating		Rabbit

Respiratory or skin sensitisation

May cause an allergic skin reaction.

citronellol

Route of exposure	Result	Time of exposure	Species	Sex
	Sensitizing		Mouse	

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.

Toxicity for specific target organ - single exposure

Based on available data the classification criteria are not met.

Toxicity for specific target organ - repeated exposure

Based on available data the classification criteria are not met.

Aspiration hazard

Based on available data the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

Harmful to aquatic life with long lasting effects.

citronellol

Parameter	Value	Time of exposure	Species	Environment
LC50	10.0-22 mg/l	96 hour	Fishes (Leuciscus idus)	
EC₅o	17 mg/l	48 hour	Daphnia (Daphnia magna)	
EC50	2.4 mg/l	72 hour	Algae (Selenastrum	

12.2. Persistence and degradability Data not available.

12.3. Bioaccumulative potential

- Not available. 12.4. Mobility in soil
- Not available.
- 12.5. Results of PBT and vPvB assessment



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Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Legislation of waste

Council Directive 75/442/EEC on waste, as amended. Decree No. 383/2001 Coll., on details regarding waste handling as amended. Decree No. 93/2016 Coll., (waste catalogue) as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

Waste type code

15 01 01 paper and cardboard packaging

15 01 02 plastic packaging

SECTION 14: Transport information

- 14.1. UN number
 - Not subject to ADR.
- **14.2. UN proper shipping name** not available
- 14.3. Transport hazard class(es) not available
- **14.4.** Packing group not available
- **14.5.** Environmental hazards not available
- **14.6.** Special precautions for user Reference in Sections 4 to 8.
- 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code not available

SECTION 15: Regulatory information

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

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EC) No. 793/93 and Commission Regulation (EC) 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, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th 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, as amended. The Act No. 350/2011 Coll., on Chemical Substances and Chemical Preparations as amended (the Chemical Act).

15.2. Chemical safety assessment

not available

SECTION 16: Other information

A list of star	ndard risk phrases used in the safety data sheet
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.



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H304	May be fatal if swallowed and	d enters airways.			
H311	Toxic in contact with skin.				
H315	Causes skin irritation.				
H317	May cause an allergic skin reaction.				
H318	Causes serious eye damage.				
H319	Causes serious eye irritation.				
H361	Suspected of damaging fertility or the unborn child.				
H371	May cause damage to organs. Very toxic to aquatic life.				
H400	Very toxic to aquatic life with long lasting effects.				
H410	Toxic to aquatic life with long lasting effects.				
H411 H412	Harmful to aquatic life with long lasting effects.				
P101	Guidelines for safe handling used in the safety data sheet				
P101 P102	If medical advice is needed, have product container or label at hand. Keep out of reach of children.				
P301+P310	•				
P302+P352	IF SWALLOWED: Immediately call a POISON CENTER/doctor. IF ON SKIN: Wash with plenty of water.				
P305+P351+P338	IF ON SKIN: wash with plenty of water. 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/containe	-	ocal regulations		
	formation about human he				
		-	er/importer - used for purposes other than		
	e user is responsible for adhere				
	ns and acronyms used in th				
ADR	-	-	rriage of dangerous goods by road		
BCF	Bioconcentration Factor				
CAS	Chemical Abstracts Service				
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures				
DNEL	Derived no-effect level				
EC	Identification code for each s	substance listed in EINEC	S		
EC50	Concentration of a substance	e when it is affected 50%	o of the population		
EINECS	European Inventory of Existi	ng Commercial Chemical	Substances		
EmS	Emergency plan				
EU	European Union				
IATA	International Air Transport A				
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals				
IC 5 0	Concentration causing 50%	olockade			
ICAO	International Civil Aviation O	•			
IMDG	International Maritime Dange				
INCI	International Nomenclature	-			
ISO	International Organization fo				
IUPAC	International Union of Pure a	,			
LC50	Lethal concentration of a substance in which it can be expected death of 50% of the population				
LD50			ed death of 50% of the population		
LOAEC	Lowest observed adverse eff				
LOAEL	Lowest observed adverse effect level				
log Kow	Octanol-water partition coefficient				
MARPOL	International Convention for		on From Ships		
NOAEC	No observed adverse effect of				
NOAEL	No observed adverse effect I				
NOEC	No observed effect concentra	ation			
NOEL	No observed effect level	_			
OEL	Occupational Exposure Limits	5			



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LEA-82 Spring Flowers Creation date 26. February 2016 Revision date 19. February 2018 Version 2.0 PBT Persistent, Bioaccumulative and Toxic Predicted no-effect concentration PNEC Parts per million ppm REACH Registration, Evaluation, Authorisation and Restriction of Chemicals RID Agreement on the transport of dangerous goods by rail Four-figure identification number of the substance or article taken from the UN Model UN Regulations UVCB Substances of unknown or variable composition, complex reaction products or biological materials VOC Volatile organic compounds vPvB Very Persistent and very Bioaccumulative Acute Tox. Acute toxicity Hazardous to the aquatic environment Aquatic Acute Aquatic Chronic Hazardous to the aquatic environment Asp. Tox. Aspiration hazard Eye Dam. Serious eye damage Eye Irrit. Eye irritation Flam. Liq. Flammable liquid Repr. Reproductive toxicity Skin Irrit. Skin irritation Skin Sens. Skin sensitization

SKIN Sensitization STOT SE Specific target organ toxicity - single exposure

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. The Act No. 350/2011 Coll., on Chemical Substances and Chemical Preparations as amended. First aid principles after the exposure to the chemicals (Zásady pro poskytování první pomoci při expozici chemickým látkám, doc. MUDr. Daniela Pelclová, CSc., MUDr. Alexandr Fuchs, CSc., MUDr. Miroslava Hornychová, CSc., MUDr. Zdeňka Trávníčková, CSc., Jiřina Fridrichovská, prom. chem.). Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 2.0 replaces the SDS version from 26.02.2016. Changes were made in sections 2, 13, 15 and 16.

Statement

The Safety Data Sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.