



CAR CARE INTERNATIONAL LTD.

SAFETY DATA SHEET

Issuing Date 25-Sep-2014

Revision Date 25-Sep-2014

Revision Number 1

Section 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Code(s) Love Tonic (WS36619)
Product Name NOVELTIES
Synonyms Scented Oil
Pure substance/mixture Mixture

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

Recommended Use Air freshener
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Company

Kraco Car Care International Ltd.
Grosvenor House
20 Barrington Road
WA14 1HB
Altrincham
Cheshire
United Kingdom
TEL: +44 (0) 161 88 40084

For further information, please contact

E-mail Address KCCI-orders@Kraco.com

1.4. Emergency telephone number

Emergency Telephone Number +44 7071 223 738

Europe	112
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Section 2. Hazards identification

2.1. - Classification of the substance or mixture

REGULATION (EC) No 1272/2008

Skin Sensitization	Category 1
Chronic Aquatic Toxicity	Category 2

Physical Hazards

None

Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases mentioned in this Section, see Section 16

The product is classified as dangerous in accordance with Directive 1999/45/EC

Symbol(s) Xi - Irritant
N - Dangerous for the environment
R-code(s) R43;R51/53

2.2. Label Elements



Signal Word

Warning

Hazard Statements

H317 - May cause an allergic skin reaction

H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention

Precautionary Statements

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray

P272 - Contaminated work clothing should not be allowed out of the workplace

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention

P273 - Avoid release to the environment

P501 - Dispose of contents/ container to an approved waste disposal plant

P321 - Specific treatment (see supplemental first aid instructions on this label)

2.3. Other information

No information available.

Section 3. Composition/information on ingredients

3.1. Substances

Chemical Name	EC-No	CAS-No	Weight %	Classification	EU - GHS Substance Classification	REACH No.
Diethyl malonate	203-305-9	105-53-3	1-5	Xi;R36	Eye Irrit. 2 (H319)	No data available
Benzyl benzoate	204-402-9	120-51-4	1-5	Xn; R22 N; R51-53	Acute Tox. 4 (H302) Aquatic Chronic 2 (H411)	No data available
Octanal, 2-(phenylmethylene)-	202-983-3	101-86-0	1-5	Xi;R43 N;R50/53	Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available
Linalool	Present	78-70-6	1-5	Xi;R38	EFFA Class: ATO 5; EDI 2A; EH A3; SCI 2	No data available
4,7-Methano-1H-inden-6-ol, 3a,4,5,6,7,7a-hexahydro-, propanoate	241-514-7	17511-60-3	1-5	-	EFFA: EH A2; EH C2; SCI 3	No data available
2-t-butylcyclohexyl acetate	201-828-7	88-41-5	1-5	-	EFFA: ATO 5; EH A2; EH C2; FL 4; SCI 3	No data available
2-ethyl-3-hydroxy-4-pyrone	225-582-5	4940-11-8	1-5	Xn;R22	Acute Tox. 4 (H302)	No data available

Pentyl acetate	211-047-3	628-63-7	<1	R10 R66	(EUH066) Flam. Liq. 3 (H226)	No data available
Eugenol	202-589-1	97-53-0	<1	Xi;R36/38-43 Xn;R22 R52	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1 (H317)	No data available
Citral	226-394-6	5392-40-5	<1	Xi; R38 R43	Skin Irrit. 2 (H315) Skin Sens. 1 (H317)	No data available
2,4-dimethylcyclohex-3-en e-1-carbaldehyde	268-264-1	68039-49-6	<1	Xi R36/38-R43; R52/53	EFFA: ATD 5; ATO 5; EDI 2A; EH A3; EH C3; FL 4; SCI 2; SS 1B	No data available
1-(2,6,6-trimethyl-3-cyclohe xen-1-yl)-2-buten-1-one	260-709-8	57378-68-4	<1	-	EFFA: ATO 4; EH A1; EH C1; SCI 2; SS 1	No data available
Vinyl acetate	203-545-4	108-05-4	<0.1	F; R11	Flam. Liq. 2 (H225)	No data available

For the full text of the R-phrases mentioned in this Section, see Section 16

For the full text of the H-Statements mentioned in this Section, see Section 16

Section 4. First aid measures

4.1. Description of first-aid measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if irritation persists.
Skin Contact	Wash skin with soap and water. If skin irritation or rash occurs: Get medical advice/attention.
Ingestion	Rinse mouth. Call a POISON CENTER or doctor/physician if exposed or you feel unwell.
Inhalation	If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.

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

Most Important Symptoms/Effects May cause allergic skin reaction.

4.3. Indication of immediate medical attention and special treatment needed

Notes to Physician May cause sensitization by skin contact.

Section 5. Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Extinguishing media which must not be used for safety reasons

No information available.

5.2. Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

None in particular.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

As in any fire, wear self-contained breathing apparatus and full protective gear.

Section 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

None required for material as supplied.

6.2. Environmental precautions

Collect spillage.

6.3. Methods and materials for containment and cleaning up

Pick up and transfer to properly labeled containers.

6.4. Reference to other sections

See Section 12 for additional information.

Section 7. Handling and storage

7.1. Precautions for Safe Handling**Handling**

None required under normal usage.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Store in original container. Keep out of the reach of children.

7.3. Specific end use(s)**Exposure Scenario**

No information available.

Other Guidelines

No information available.

Section 8. Exposure controls/personal protection

8.1. Control parameters**Exposure Limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name	EU	The United Kingdom	France	Spain	Germany
Pentyl acetate 628-63-7	TWA 50 ppm TWA 270 mg/m ³ STEL 100 ppm STEL 540 mg/m ³		VME: 50 ppm VME: 270 mg/m ³ VLCT: 100 ppm VLCT: 540 mg/m ³	VLA-EC: 100 ppm VLA-EC: 540 mg/m ³ VLA-ED: 50 ppm VLA-ED: 270 mg/m ³	MAK: 50 ppm MAK: 270 mg/m ³ Ceiling / Peak: 50 ppm Ceiling / Peak: 270 mg/m ³ TWA: 50 ppm TWA: 270 mg/m ³
Vinyl acetate 108-05-4	(3rd:) TWA 5 ppm (3rd:) TWA 17.6 mg/m ³ (3rd:) STEL 10 ppm (3rd:) STEL 35.2 mg/m ³	STEL: 10 ppm STEL: 35.2 mg/m ³ TWA: 5 ppm TWA: 17.6 mg/m ³	TWA: 5 ppm TWA: 17.6 mg/m ³ STEL: 35.2 mg/m ³ STEL: 10 ppm	STEL: 10 ppm STEL: 35.2 mg/m ³ TWA: 5 ppm TWA: 17.6 mg/m ³	TWA: 5 ppm TWA: 18 mg/m ³
Component	Italy	Portugal	The Netherlands	Finland	Denmark
Pentyl acetate 628-63-7 (<1)	TWA: 50 ppm TWA: 270 mg/m ³ STEL: 100 ppm STEL: 540 mg/m ³	STEL: 100 ppm TWA: 50 ppm	STEL: 530 mg/m ³	TWA: 50 ppm TWA: 270 mg/m ³ STEL: 100 ppm STEL: 540 mg/m ³	TWA: 50 ppm TWA: 266 mg/m ³

Vinyl acetate 108-05-4 (<0.1)		STEL: 15 ppm TWA: 10 ppm	STEL: 36 mg/m ³ TWA: 18 mg/m ³	TWA: 10 ppm TWA: 36 mg/m ³ STEL: 20 ppm STEL: 71 mg/m ³	TWA: 5 ppm TWA: 18 mg/m ³
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Pentyl acetate 628-63-7	STEL 100 ppm STEL 540 mg/m ³ MAK: 50 ppm MAK: 270 mg/m ³	STEL: 50 ppm STEL: 260 mg/m ³ MAK: 50 ppm MAK: 260 mg/m ³	NDSch: 500 mg/m ³ NDS: 250 mg/m ³	TWA: 50 ppm TWA: 260 mg/m ³ STEL: 75 ppm STEL: 325 mg/m ³	TWA: 50 ppm TWA: 270 mg/m ³ STEL: 100 ppm STEL: 540 mg/m ³
Vinyl acetate 108-05-4	STEL 20 ppm STEL 70 mg/m ³ MAK: 10 ppm MAK: 35 mg/m ³	STEL: 10 ppm STEL: 35 mg/m ³ TWA: 10 ppm TWA: 35 mg/m ³	STEL: 30 mg/m ³ TWA: 10 mg/m ³	TWA: 5 ppm TWA: 17.6 mg/m ³ STEL: 10 ppm STEL: 35.2 mg/m ³	TWA: 10 ppm TWA: 30 mg/m ³ STEL: 20 ppm STEL: 60 mg/m ³

Derived No Effect Level No information available
Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Measures None under normal use conditions.
Personal protective equipment
Eye Protection No special protective equipment required.
Skin and Body Protection No special protective equipment required.
Hand Protection No protective equipment is needed under normal use conditions.
Respiratory Protection No special protective equipment required.

Environmental Exposure Controls No information available.

Section 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State Solid.
Odor Varies with fragrance.
Appearance Varies.

<u>Property</u>	<u>Values</u>	<u>Remarks/ - Method</u>
pH	No data available	None known
Melting Point/Range	80-120 °C	None known
Boiling Point/Boiling Range	No data available	None known
Flash Point	No data available	None known
Evaporation rate	No data available	None known
Flammability (solid, gas)	No data available	None known
Vapor Pressure	No data available	None known
Vapor Density	No data available	None known
Relative Density	No data available.	None known
Water Solubility	No data available	None known
Solubility in other solvents	No data available	None known
Partition coefficient: n-octanol/water	No data available	None known
Autoignition Temperature	No data available	None known
Decomposition Temperature	No data available	None known
Viscosity	No data available	None known
Explosive Properties	No information available	
Oxidizing Properties	No information available	

9.2. Other information

VOC Content (%) No information available
Flammability Limits in Air No information available.

Section 10. Stability and reactivity

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Extreme heat.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

None under normal use.

Section 11. Toxicological information
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11.1.**Acute Toxicity****Product Information**

Product does not present an acute toxicity hazard based on known or supplied information.

Inhalation

None under normal use conditions

Eye Contact

None under normal use conditions.

Skin Contact

May cause allergic skin reaction

Ingestion

None under normal use conditions.

Component Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
2(3H)-Furanone, 5-heptyldihydro-	= 18500 mg/kg (Rat)		
Diethyl malonate	= 14900 µL/kg (Rat)	> 16 mL/kg (Rabbit)	
Benzyl benzoate	= 500 mg/kg (Rat)	= 4000 mg/kg (Rat) = 4000 mg/kg (Rabbit)	
2-ethyl-3-hydroxy-4-pyrone	= 1150 mg/kg (Rat)	> 5 g/kg (Rabbit)	
Geranyl acetate	= 6330 mg/kg (Rat)		
Linalool	= 2790 mg/kg (Rat)	= 5610 mg/kg (Rat)	
Octanal, 2-(phenylmethylene)-	= 2450 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	
Eugenol	= 1930 mg/kg (Rat)		
Citral	= 4950 mg/kg (Rat)	= 2250 mg/kg (Rabbit) > 2000 mg/kg (Rat)	
Pentyl acetate	> 1600 mg/kg (Rat)		
Ethyl 2,3-epoxy-3-phenylbutyrate	= 5470 mg/kg (Rat)		
Vinyl acetate	= 2920 mg/kg (Rat)	= 2320 mg/kg (Rabbit)	= 11.4 mg/L (Rat) 4 h = 3200 ppm (Rat) 4 h

Sensitization

May cause an allergic skin reaction.

Mutagenic Effects

No information available.

Carcinogenic Effects

None known.

Reproductive Toxicity

No information available.

Developmental Toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Aspiration Hazard

No information available.

Section 12. Ecological information

12.1. Toxicity**Ecotoxicity Effects**

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Diethyl malonate	EC50 72 h: = 508.2 mg/L (Desmodesmus subspicatus)	LC50 96 h: 10.3-13.4 mg/L flow-through (Pimephales promelas)	EC50 = 3097 mg/L 16 h	EC50 48 h: = 202.3 mg/L (Daphnia magna)
Linalool	EC50 96 h: = 88.3 mg/L (Desmodesmus subspicatus)			EC50 48 h: = 20 mg/L (Daphnia magna)
Pentyl acetate		LC50 96 h: = 650 mg/L static (Lepomis macrochirus)		
Eugenol		LC50 67.6 mg/l Oncorhynchus kisutch (Coho salmon) 96 h static		
Citral	EC50 72 h: = 16 mg/L (Desmodesmus subspicatus) EC50 96 h: = 19 mg/L (Desmodesmus subspicatus)	LC50 96 h: 4.6-10 mg/L static (Leuciscus idus)	EC50 = 2100 mg/L 30 min	EC50 48 h: = 7 mg/L (Daphnia magna)
Vinyl acetate		LC50 96 h: = 14 mg/L static (Pimephales promelas) LC50 96 h: 15.04 - 21.54 mg/L static (Lepomis macrochirus) LC50 96 h: 26.1 - 36.63 mg/L static (Poecilia reticulata)	EC50 = 2080 mg/L 5 min	EC50 24 h: = 52 mg/L (Daphnia magna)

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential.

No information available.

Chemical Name	Log Pow
Diethyl malonate	0.96
Linalool	3.1
Eugenol	2.27
Citral	2.76
Vinyl acetate	0.73

12.4. Mobility in soil

Adsorbs on soil.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

This product does not contain any known or suspected endocrine disruptors.

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Vinyl acetate	Group III Chemical		

Section 13. Disposal considerations

13.1. Waste treatment methods

Waste from Residues / Unused Products	Dispose of in accordance with local regulations.
Contaminated Packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information

IMDG/IMO

14.1. UN-Number	UN3077
14.2. Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
14.3. Hazard Class	9
14.4. Packing Group	III
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (2(3H)-Furanone, 5-heptyldihydro-, Benzyl benzoate), 9, III, Marine Pollutant, Limited Quantity
14.5. Marine Pollutant	None.
Environmental hazard	yes
14.6. Special Provisions	None.
EmS No.	F-A, S-F
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information available.

RID

14.1. UN-Number	UN3077
14.2. Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
14.3. Hazard Class	9
14.4. Packing Group	III
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (2(3H)-Furanone, 5-heptyldihydro-, Benzyl benzoate), 9, III, Limited Quantity
14.5. Environmental hazard	yes
14.6. Special Provisions	None.
Classification Code	M7

ADR

14.1. UN-Number	UN3077
14.2. Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
14.3. Hazard Class	9
14.4. Packing Group	III
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (2(3H)-Furanone, 5-heptyldihydro-, Benzyl benzoate), 9, III, (E), Limited Quantity
14.5. Environmental hazard	yes
14.6. Special Provisions	None.
Classification Code	M7
Tunnel Restriction Code	(E)

ICAO

14.1. UN-Number	UN3077
14.2. Proper shipping name	Environmentally hazardous substance, solid, n.o.s.
14.3. Hazard Class	9
14.4. Packing Group	III
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (2(3H)-Furanone, 5-heptyldihydro-, Benzyl benzoate), 9, III
14.5. Environmental hazard	yes
14.6. Special Provisions	None.

IATA

14.1. UN-Number	UN3077
14.2. Proper Shipping Name	Environmentally hazardous substance, solid, n.o.s.
14.3. Hazard Class	9
14.4. Packing Group	III
Description	UN3077, Environmentally hazardous substance, solid, n.o.s. (2(3H)-Furanone, 5-heptyldihydro-, Benzyl benzoate), 9, III
14.5. Environmental hazard	yes
14.6. Special Provisions	None.
ERG Code	9L

Section 15. Regulatory information

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

International Inventories

TSCA	Complies
EINECS/ELINCS	Complies
DSL/NDSL	Complies
PICCS	Complies
ENCS	Not determined
IECSC	Complies
AICS	Complies
KECL	Complies

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. Chemical Safety Assessment

No information available

Section 16. Other information

Full text of R-phrases referred to under Sections 2 and 3

No information available

Full text of H-Statements referred to under sections 2 and 3

H413 - May cause long lasting harmful effects to aquatic life
H317 - May cause an allergic skin reaction
H400 - Very toxic to aquatic life
H410 - Very toxic to aquatic life with long lasting effects
H319 - Causes serious eye irritation
H302 - Harmful if swallowed
H411 - Toxic to aquatic life with long lasting effects

Key literature references and sources for data

www.ChemADVISOR.com/

Issuing Date	25-Sep-2014
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Revision Note	Initial Release.

This safety data sheet complies with the requirements of Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No. 1907/2006

General Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet