

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

KIMBERLY-CLARK PROFESSIONAL* Harmony Fragrance Refill (6181)

Version 2.0

MSDS Number: 100000001184

Revision Date: 21.04.2015

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

1.1 Product identifier

Trade name : KIMBERLY-CLARK PROFESSIONAL* Harmony Fragrance Refill (6181)

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

Use of the Substance/Mixture : Aircare

1.3 Details of the supplier of the safety data sheet

Company : Kimberly-Clark Europe Limited
40 London Road
Reigate
Surrey RH2 9QP
United Kingdom

Telephone : +44 1737 736000

Telefax : +44 1737 736670

E-mail address Responsible/issuing person : sdscontact@kcc.com

1.4 Emergency telephone number

+44 1737 736000
This telephone number is available during office hours only.
0900 – 1700 GMT

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 H226: Flammable liquid and vapour.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Classification (67/548/EEC, 1999/45/EC)

Flammable R10: Flammable.

R67: Vapours may cause drowsiness and dizziness.

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	 
Signal word	:	Warning
Hazard statements	:	H226 Flammable liquid and vapour. H319 Causes serious eye irritation.
Precautionary statements	:	Prevention: P210 Keep away from heat. - No smoking. Response: P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Storage: P403 + P235 Store in a well-ventilated place. Keep cool. Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. This product is a mixture. Health hazard information is based on its components.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
propan-2-ol	67-63-0 200-661-7	F; R11 Xi; R36 R67	Flam. Liq.2; H225 Eye Irrit.2; H319 STOT SE3; H336	>= 15 - < 20

For explanation of abbreviations see section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : No hazards which require special first aid measures.

If inhaled : No hazards which require special first aid measures.

In case of skin contact : Wash off with soap and plenty of water.

In case of eye contact : **In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.**

If swallowed : Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media : Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Highly flammable liquid and vapour.

Hazardous combustion products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Use water spray to cool unopened containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.
Remove all sources of ignition.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : No special handling advice required.

Advice on protection against fire and explosion : Keep product and empty container away from heat and sources of ignition.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a cool, well-ventilated place.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Aircare

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
propan-2-ol	67-63-0	TWA	400 ppm 999 mg/m ³	GB EH40
propan-2-ol	67-63-0	STEL	500 ppm 1,250 mg/m ³	GB EH40

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8.2 Exposure controls

Personal protective equipment

Eye protection : Not required under normal use.

Skin and body protection : not required under normal use

Respiratory protection : Not required under normal use.

Protective measures : No special protective equipment required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : clear

Odour : pleasant

pH : 5.75

Boiling point/boiling range : 100 °C

Flash point : 35 °C

Upper explosion limit : 12 %(V)

Lower explosion limit : 2 %(V)

Relative density : 0.980

Solubility(ies)
Water solubility : soluble

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.
No decomposition if used as directed.

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Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components:

propan-2-ol:

Acute oral toxicity : LD50 Oral (Rat): 5,840 mg/kg

Acute inhalation toxicity : LC50 (Rat): 16000 ppm

Acute dermal toxicity : LD50 Dermal (Rabbit): 12,800 mg/kg

Skin corrosion/irritation

Product:

Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Serious eye damage/eye irritation

Product:

Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin sensitisation

Product:

Remarks: No data available

Germ cell mutagenicity

Product:

Germ cell mutagenicity- Assessment : Contains no ingredient listed as a mutagen

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Carcinogenicity

Product:

Carcinogenicity - Assessment : Contains no ingredient listed as a carcinogen

Reproductive toxicity

Product:

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction

STOT - single exposure

Product:

Remarks: No data available

STOT - repeated exposure

Product:

Remarks: No data available

Aspiration toxicity

Product:

May be harmful if swallowed and enters airways.

Further information

Product:

Remarks: Health injuries are not known or expected under normal use., Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: No information available.

Toxicity to daphnia and other aquatic invertebrates : Remarks: No information available.

Toxicity to algae : Remarks: No information available.

Components:

propan-2-ol:

Toxicity to fish : LC50 : 9,640 mg/l
Exposure time: 96 h

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Toxicity to daphnia and other aquatic invertebrates : EC50 : 10,000 mg/l
Exposure time: 24 h

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No information available.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Does not bioaccumulate.

12.4 Mobility in soil

Product:

Mobility : Remarks: No information available.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : Based on available data, the classification criteria are not met.
: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

ADR : UN 1993

14.2 UN proper shipping name

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ADR : FLAMMABLE LIQUID, N.O.S.
(Isopropanol)

14.3 Transport hazard class(es)

ADR : 3

14.4 Packing group

ADR
Packing group : III
Classification Code : F1
Labels : 3

14.5 Environmental hazards

ADR
Environmentally hazardous : no

14.6 Special precautions for user

Not applicable

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

Remarks : No information available.

SECTION 15: Regulatory information

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

Volatile organic compounds : 18 %

Other regulations : The classification is in compliance with coming legislation and therefore may differ from the safety label on the package.

The components of this product are reported in the following inventories:

REACH : This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).

15.2 Chemical Safety Assessment

No information available.

SECTION 16: Other information

Full text of R-Phrases

R11 : Highly flammable.
R36 : Irritating to eyes.
R67 : Vapours may cause drowsiness and dizziness.

Full text of H-Statements

H225 : Highly flammable liquid and vapour.

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific mate-

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rial designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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

1.1 Product identifier

Trade name : KIMBERLY-CLARK PROFESSIONAL* Energy Fragrance Refill (6182)

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

Use of the Substance/Mixture : Aircare

1.3 Details of the supplier of the safety data sheet

Company : Kimberly-Clark Europe Limited
40 London Road
Reigate
Surrey RH2 9QP
United Kingdom

Telephone : +44 1737 736000

Telefax : +44 1737 736670

E-mail address Responsible/issuing person : sdscontact@kcc.com

1.4 Emergency telephone number

+44 1737 736000
This telephone number is available during office hours only.
0900 – 1700 GMT

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 H226: Flammable liquid and vapour.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Classification (67/548/EEC, 1999/45/EC)

Flammable R10: Flammable.

R67: Vapours may cause drowsiness and dizziness.

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	 
Signal word	:	Warning
Hazard statements	:	H226 Flammable liquid and vapour. H319 Causes serious eye irritation.
Precautionary statements	:	Prevention: P210 Keep away from heat. - No smoking. Response: P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Storage: P403 + P235 Store in a well-ventilated place. Keep cool. Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

Additional Labelling:

EUH208 May produce an allergic reaction.

Contains: Isocyclemone E and Butylphenyl methylpropional and Hexyl cinnamal

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. This product is a mixture. Health hazard information is based on its components.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
propan-2-ol	67-63-0 200-661-7	F; R11 Xi; R36	Flam. Liq.2; H225 Eye Irrit.2; H319	>= 15 - < 20

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		R67	STOT SE3; H336	
Isocyclemone E	54464-57-2 259-174-3	N; R51/53 Xi; R38-R43	Aquatic Chronic2; H411 Skin Irrit.2; H315 Skin Sens.1; H317	>= 0.1 - < 1
Butylphenyl methylpropional	80-54-6 201-289-8	Xn; R22 N; R51/53-R62 Xi; R43	Acute Tox.4; H302 Skin Irrit.2; H315 Skin Sens.1; H317 Aquatic Chronic2; H411 Repr.2; H361	>= 0.1 - < 1
Linalool	78-70-6 201-134-4	Xi; R38-R43	Skin Irrit.2; H315	>= 0.1 - < 1
4-tert-butylcyclohexyl acetate	32210-23-4 250-954-9	N; R51/53	Aquatic Chronic2; H411	>= 0.1 - < 1
Hexyl cinnamal	101-86-0 202-983-3	Xi-N; R43- R50/53	Skin Sens.1; H317	>= 0.1 - < 0.25

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : No hazards which require special first aid measures.
- In case of skin contact : Wash off with soap and plenty of water.
If skin irritation persists, call a physician.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
- If swallowed : Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO2)
Dry chemical
- Unsuitable extinguishing media : Do NOT use water jet.

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5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Highly flammable liquid and vapour.

Hazardous combustion products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.
Remove all sources of ignition.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : No special handling advice required.

Advice on protection against fire and explosion : Keep product and empty container away from heat and sources of ignition.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a dry, cool and well-ventilated place.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

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Specific use(s) : Aircare

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
propan-2-ol	67-63-0	TWA	400 ppm 999 mg/m ³	GB EH40
propan-2-ol	67-63-0	STEL	500 ppm 1,250 mg/m ³	GB EH40

8.2 Exposure controls

Personal protective equipment

Eye protection : Not required under normal use.

Skin and body protection : not required under normal use

Respiratory protection : Not required under normal use.

Protective measures : No special protective equipment required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : clear

Odour : pleasant

pH : 5.75

Boiling point/boiling range : 100 °C

Flash point : 35 °C

Upper explosion limit : 12 %(V)

Lower explosion limit : 2 %(V)

Relative density : 0.980

Solubility(ies)
Water solubility : soluble

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9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.
No decomposition if used as directed.

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components:

propan-2-ol:

Acute oral toxicity : LD50 Oral (Rat): 5,840 mg/kg

Acute inhalation toxicity : LC50 (Rat): 16000 ppm

Acute dermal toxicity : LD50 Dermal (Rabbit): 12,800 mg/kg

Butylphenyl methylpropional:

Acute oral toxicity : LD50 (Rat): 1,390 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 0.18 mg/l

Acute dermal toxicity : LD50 : > 2,000 mg/kg

Linalool:

Acute oral toxicity : LD50 Oral (Mouse, male and female): 3,500 mg/kg

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Acute inhalation toxicity : LC50 (Mouse, male and female): 3.2 mg/l

Acute dermal toxicity : LD50 Dermal (Albino rabbit): 5,610 mg/kg

4-tert-butylcyclohexyl acetate:

Acute oral toxicity : LD50 Oral (Rat, male and female): 3,600 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit, male and female): > 5,000 mg/kg

Skin corrosion/irritation

Product:

Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Components:

Butylphenyl methylpropional:

Result: Skin irritation

Serious eye damage/eye irritation

Product:

Remarks: Contact with eyes may cause irritation.

Components:

Butylphenyl methylpropional:

Classification: No eye irritation

Respiratory or skin sensitisation

Product:

Remarks: May cause sensitisation of susceptible persons.

Components:

Butylphenyl methylpropional:

Assessment: May cause sensitisation by skin contact.

Germ cell mutagenicity

Product:

Germ cell mutagenicity- Assessment : Contains no ingredient listed as a mutagen

Carcinogenicity

Product:

Carcinogenicity - Assessment : Contains no ingredient listed as a carcinogen

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Reproductive toxicity

Product:

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction

STOT - single exposure

Product:

Remarks: No data available

STOT - repeated exposure

Product:

Remarks: No data available

Aspiration toxicity

Product:

May be harmful if swallowed and enters airways.

Further information

Product:

Remarks: Health injuries are not known or expected under normal use., Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: No information available.

Toxicity to daphnia and other aquatic invertebrates : Remarks: No information available.

Toxicity to algae : Remarks: No information available.

Components:

propan-2-ol:

Toxicity to fish : LC50 : 9,640 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 : 10,000 mg/l
Exposure time: 24 h

Butylphenyl methylpropional:

Toxicity to fish : LC50 (Fish): 2.04 mg/l
Exposure time: 96 h

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NOEC (Fish): 1.28 mg/l

Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 9.84 mg/l
Exposure time: 48 h
Test Type: Immobilization
Method: OECD Test Guideline 202

Toxicity to algae : EC50 : 16.5 mg/l
Exposure time: 72 h

NOEC : 8.6 mg/l

Exposure time: 27 h

Toxicity to bacteria : IC50 : 104 mg/l
Exposure time: 3 h

Linalool:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 27.8 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 59 mg/l
Exposure time: 48 h

4-tert-butylcyclohexyl acetate:

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): 8.6 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 5.3 mg/l
Exposure time: 48 h

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No information available.

Components:

Butylphenyl methylpropional:

Biodegradability : Test Type: aerobic
Concentration: 100 mg/l
Biodegradation: 8 %
Exposure time: 28 d

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Does not bioaccumulate.

12.4 Mobility in soil

Product:

Mobility : Remarks: No information available.

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12.5 Results of PBT and vPvB assessment

Product:

Assessment : Based on available data, the classification criteria are not met.
: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.
Contaminated packaging : Dispose of as unused product.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

ADR : UN 1993

14.2 UN proper shipping name

ADR : FLAMMABLE LIQUID, N.O.S.
(Isopropanol)

14.3 Transport hazard class(es)

ADR : 3

14.4 Packing group

ADR
Packing group : III
Classification Code : F1
Labels : 3

14.5 Environmental hazards

ADR
Environmentally hazardous : no

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14.6 Special precautions for user

Not applicable

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

Remarks : No information available.

SECTION 15: Regulatory information

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

Volatile organic compounds : 18.04 %

The components of this product are reported in the following inventories:

REACH : This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).

15.2 Chemical Safety Assessment

No information available.

SECTION 16: Other information

Full text of R-Phrases

R11 : Highly flammable.
R22 : Harmful if swallowed.
R36 : Irritating to eyes.
R38 : Irritating to skin.
R43 : May cause sensitisation by skin contact.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R62 : Possible risk of impaired fertility.
R67 : Vapours may cause drowsiness and dizziness.

Full text of H-Statements

H225 : Highly flammable liquid and vapour.
H302 : Harmful if swallowed.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

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Version 2.0

MSDS Number: 100000001183

Revision Date: 21.04.2015

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

1.1 Product identifier

Trade name : KIMBERLY-CLARK PROFESSIONAL* Joy Fragrance Refill (6183)

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

Use of the Substance/Mixture : Aircare

1.3 Details of the supplier of the safety data sheet

Company : Kimberly-Clark Europe Limited
40 London Road
Reigate
Surrey RH2 9QP
United Kingdom

Telephone : +44 1737 736000

Telefax : +44 1737 736670

E-mail address Responsible/issuing person : sdscontact@kcc.com

1.4 Emergency telephone number

+44 1737 736000
This telephone number is available during office hours only.
0900 – 1700 GMT

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 H226: Flammable liquid and vapour.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Classification (67/548/EEC, 1999/45/EC)

Flammable R10: Flammable.

R67: Vapours may cause drowsiness and dizziness.

Dangerous for the environment R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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ment.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word :

Warning

Hazard statements :

H226
H319

Flammable liquid and vapour.
Causes serious eye irritation.

Precautionary statements :

Prevention:

P210

Keep away from heat. - No smoking.

Response:

P305 + P351 + P338

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

P337 + P313

If eye irritation persists: Get medical advice/attention.

P370 + P378

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Storage:

P403 + P235

Store in a well-ventilated place. Keep cool.

Disposal:

P501

Dispose of contents/ container to an approved waste disposal plant.

Additional Labelling:

EUH208

May produce an allergic reaction.

Contains: Hexyl cinnamal and Butylphenyl methylpropional

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

This product is a mixture. Health hazard information is based on its components.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)

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propan-2-ol	67-63-0 200-661-7	F; R11 Xi; R36 R67	Flam. Liq.2; H225 Eye Irrit.2; H319 STOT SE3; H336	>= 15 - < 20
Hexyl cinnamal	101-86-0 202-983-3	Xi-N; R43- R50/53	Skin Sens.1; H317	>= 0.25 - < 1
1,3,4,6,7,8-hexahydro- 4,6,6,7,8,8- hexamethylindeno[5,6- c]pyran	1222-05-5 214-946-9	N; R50-R53		>= 0.25 - < 1
Linalool	78-70-6 201-134-4	Xi; R38-R43	Skin Irrit.2; H315	>= 0.1 - < 1
Butylphenyl methylpropional	80-54-6 201-289-8	Xn; R22 N; R51/53-R62 Xi; R43	Acute Tox.4; H302 Skin Irrit.2; H315 Skin Sens.1; H317 Aquatic Chronic2; H411 Repr.2; H361	>= 0.1 - < 1
Hydroxycitronellal	107-75-5 203-518-7	Xi; R36-R43		>= 0.1 - < 1

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : No hazards which require special first aid measures.
- In case of skin contact : Wash off with soap and plenty of water.
If skin irritation persists, call a physician.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
- If swallowed : Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
- Unsuitable extinguishing : Do NOT use water jet.

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media

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire-fighting : Highly flammable liquid and vapour.

Hazardous combustion products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.
Remove all sources of ignition.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : No special handling advice required.

Advice on protection against fire and explosion : Keep product and empty container away from heat and sources of ignition.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep away from sources of ignition - No smoking. Keep containers tightly closed in a cool, well-ventilated place.

Other data : No decomposition if stored and applied as directed.

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7.3 Specific end use(s)

Specific use(s) : Aircare

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
propan-2-ol	67-63-0	TWA	400 ppm 999 mg/m ³	GB EH40
propan-2-ol	67-63-0	STEL	500 ppm 1,250 mg/m ³	GB EH40

8.2 Exposure controls

Personal protective equipment

Eye protection : Not required under normal use.

Skin and body protection : not required under normal use

Respiratory protection : Not required under normal use.

Protective measures : No special protective equipment required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : clear

Odour : pleasant

pH : 5.75

Boiling point/boiling range : 100 °C

Flash point : 35 °C

Upper explosion limit : 12 %(V)

Lower explosion limit : 2 %(V)

Relative density : 0.980

Solubility(ies)
Water solubility : soluble

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9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.
No decomposition if used as directed.

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components:

propan-2-ol:

Acute oral toxicity : LD50 Oral (Rat): 5,840 mg/kg

Acute inhalation toxicity : LC50 (Rat): 16000 ppm

Acute dermal toxicity : LD50 Dermal (Rabbit): 12,800 mg/kg

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran:

Acute oral toxicity : LD50 Oral (Rat, female): > 4,640 mg/kg

Acute dermal toxicity : LD50 Dermal (Rat, male): > 10,000 mg/kg

Linalool:

Acute oral toxicity : LD50 Oral (Mouse, male and female): 3,500 mg/kg

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Acute inhalation toxicity : LC50 (Mouse, male and female): 3.2 mg/l

Acute dermal toxicity : LD50 Dermal (Albino rabbit): 5,610 mg/kg

Butylphenyl methylpropional:

Acute oral toxicity : LD50 (Rat): 1,390 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 0.18 mg/l

Acute dermal toxicity : LD50 : > 2,000 mg/kg

Hydroxycitronellal:

Acute oral toxicity : LD50 Oral (Rat, male and female): > 6,400 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 2,000 mg/kg

Skin corrosion/irritation

Product:

Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Components:

Butylphenyl methylpropional:

Result: Skin irritation

Serious eye damage/eye irritation

Product:

Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Components:

Butylphenyl methylpropional:

Classification: No eye irritation

Respiratory or skin sensitisation

Product:

Remarks: May cause sensitisation of susceptible persons.

Components:

Butylphenyl methylpropional:

Assessment: May cause sensitisation by skin contact.

Germ cell mutagenicity

Product:

Germ cell mutagenicity- Assessment : Contains no ingredient listed as a mutagen

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Carcinogenicity

Product:

Carcinogenicity - Assessment : Contains no ingredient listed as a carcinogen

Reproductive toxicity

Product:

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction

STOT - single exposure

Product:

Remarks: No data available

STOT - repeated exposure

Product:

Remarks: No data available

Aspiration toxicity

Product:

May be harmful if swallowed and enters airways.

Further information

Product:

Remarks: Health injuries are not known or expected under normal use., Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Toxicity to daphnia and other aquatic invertebrates : Remarks: No information available.

Toxicity to algae : Remarks: No information available.

Components:

propan-2-ol:

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Toxicity to fish : LC50 : 9,640 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 : 10,000 mg/l
Exposure time: 24 h

Linalool:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 27.8 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 59 mg/l
Exposure time: 48 h

Butylphenyl methylpropional:

Toxicity to fish : LC50 (Fish): 2.04 mg/l
Exposure time: 96 h

NOEC (Fish): 1.28 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia (water flea)): 9.84 mg/l
Exposure time: 48 h
Test Type: Immobilization
Method: OECD Test Guideline 202

Toxicity to algae : EC50 : 16.5 mg/l
Exposure time: 72 h

NOEC : 8.6 mg/l
Exposure time: 27 h

Toxicity to bacteria : IC50 : 104 mg/l
Exposure time: 3 h

Hydroxycitronellal:

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 31.6 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 410 mg/l
Exposure time: 48 h

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No information available.

Components:

Butylphenyl methylpropional:

Biodegradability : Test Type: aerobic
Concentration: 100 mg/l
Biodegradation: 8 %
Exposure time: 28 d

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12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Does not bioaccumulate.

Components:

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran:

Partition coefficient: n-octanol/water : log Pow: 5.3 (25 °C)

Hydroxycitronellal:

Partition coefficient: n-octanol/water : log Pow: 2.11

12.4 Mobility in soil

Product:

Mobility : Remarks: No information available.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : Based on available data, the classification criteria are not met.
: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

ADR : UN 1993

14.2 UN proper shipping name

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ADR : FLAMMABLE LIQUID, N.O.S.
(Isopropanol)

14.3 Transport hazard class(es)

ADR : 3

14.4 Packing group

ADR
Packing group : III
Classification Code : F1
Labels : 3

14.5 Environmental hazards

ADR
Environmentally hazardous : no

14.6 Special precautions for user

Not applicable

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

Remarks : No information available.

SECTION 15: Regulatory information

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

Volatile organic compounds : 18.03 %

The components of this product are reported in the following inventories:

REACH : This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).

15.2 Chemical Safety Assessment

No information available.

SECTION 16: Other information

Full text of R-Phrases

R11 : Highly flammable.
R22 : Harmful if swallowed.
R36 : Irritating to eyes.
R38 : Irritating to skin.
R43 : May cause sensitisation by skin contact.
R50 : Very toxic to aquatic organisms.
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53 : May cause long-term adverse effects in the aquatic environment.
R62 : Possible risk of impaired fertility.

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R67 : Vapours may cause drowsiness and dizziness.

Full text of H-Statements

H225 : Highly flammable liquid and vapour.

H302 : Harmful if swallowed.

H315 : Causes skin irritation.

H317 : May cause an allergic skin reaction.

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.

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

1.1 Product identifier

Trade name : KIMBERLY-CLARK PROFESSIONAL* Fresh Fragrance Refill (6184)

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

Use of the Substance/Mixture : Aircare

1.3 Details of the supplier of the safety data sheet

Company : Kimberly-Clark Europe Limited
40 London Road
Reigate
Surrey RH2 9QP
United Kingdom

Telephone : +44 1737 736000

Telefax : +44 1737 736670

E-mail address Responsible/issuing person : sdscontact@kcc.com

1.4 Emergency telephone number

+44 1737 736000
This telephone number is available during office hours only.
0900 – 1700 GMT

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 H226: Flammable liquid and vapour.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Classification (67/548/EEC, 1999/45/EC)

Flammable R10: Flammable.

R67: Vapours may cause drowsiness and dizziness.

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	 
Signal word	:	Warning
Hazard statements	:	H226 Flammable liquid and vapour. H319 Causes serious eye irritation.
Precautionary statements	:	Prevention: P210 Keep away from heat. - No smoking. Response: P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention.

Additional Labelling:

The following percentage of the mixture consists of ingredient(s) with unknown acute oral toxicity: 4 %

The following percentage of the mixture consists of ingredient(s) with unknown acute dermal toxicity: 4 %

The following percentage of the mixture consists of ingredient(s) with unknown acute inhalation toxicity: 4 %

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 4 %

Contains: Castor oil, hydrogenated, ethoxylated

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. No information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
propan-2-ol	67-63-0 200-661-7	F; R11 Xi; R36 R67	Flam. Liq.2; H225 Eye Irrit.2; H319 STOT SE3; H336	>= 15 - < 20

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2-tert-butylcyclohexyl acetate	88-41-5 201-828-7	N; R51/53	Aquatic Chronic1; H411	>= 0.1 - < 1
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For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : No hazards which require special first aid measures.
- In case of skin contact : Wash off with soap and plenty of water.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
- If swallowed : Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical
- Unsuitable extinguishing media : Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire-fighting : Highly flammable liquid and vapour.
- Hazardous combustion products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Use water spray to cool unopened containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.
Remove all sources of ignition.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : No special handling advice required.

Advice on protection against fire and explosion : Keep product and empty container away from heat and sources of ignition.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a cool, well-ventilated place.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Aircare

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
propan-2-ol	67-63-0	TWA	400 ppm 999 mg/m ³	GB EH40
propan-2-ol	67-63-0	STEL	500 ppm	GB EH40

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			1,250 mg/m3	
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8.2 Exposure controls

Personal protective equipment

Eye protection : Not required under normal use.

Skin and body protection : not required under normal use

Respiratory protection : Not required under normal use.

Protective measures : No special protective equipment required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	: liquid
Colour	: clear
Odour	: pleasant
pH	: 5.75
Boiling point/boiling range	: 100 °C
Flash point	: 35 °C
Upper explosion limit	: 12 %(V)
Lower explosion limit	: 2 %(V)
Relative density	: 0.980
Solubility(ies)	
Water solubility	: soluble

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.
No decomposition if used as directed.

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Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components:

propan-2-ol:

Acute oral toxicity : LD50 Oral (Rat): 5,840 mg/kg

Acute inhalation toxicity : LC50 (Rat): 16000 ppm

Acute dermal toxicity : LD50 Dermal (Rabbit): 12,800 mg/kg

Skin corrosion/irritation

Product:

Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Serious eye damage/eye irritation

Product:

Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin sensitisation

Product:

Remarks: No data available

Germ cell mutagenicity

Product:

Germ cell mutagenicity- Assessment : Contains no ingredient listed as a mutagen

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Carcinogenicity

Product:

Carcinogenicity - Assessment : Contains no ingredient listed as a carcinogen

Reproductive toxicity

Product:

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction

STOT - single exposure

Product:

Remarks: No data available

STOT - repeated exposure

Product:

Remarks: No data available

Aspiration toxicity

Product:

May be harmful if swallowed and enters airways.

Further information

Product:

Remarks: Health injuries are not known or expected under normal use., Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: No information available.

Toxicity to daphnia and other aquatic invertebrates : Remarks: No information available.

Toxicity to algae : Remarks: No information available.

Further information

The following percentage of the mixture consists of ingredient(s) with unknown hazards to the aquatic environment: 4 %

Components:

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propan-2-ol:

Toxicity to fish : LC50 : 9,640 mg/l
Exposure time: 96 h

Toxicity to daphnia and other : EC50 : 10,000 mg/l
aquatic invertebrates Exposure time: 24 h

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No information available.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Does not bioaccumulate.

12.4 Mobility in soil

Product:

Mobility : Remarks: No information available.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : Based on available data, the classification criteria are not met.

: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

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ADR : UN 1993

14.2 UN proper shipping name

ADR : FLAMMABLE LIQUID, N.O.S.
(Isopropanol)

14.3 Transport hazard class(es)

ADR : 3

14.4 Packing group

ADR
Packing group : III
Classification Code : F1
Labels : 3

14.5 Environmental hazards

ADR
Environmentally hazardous : no

14.6 Special precautions for user

Not applicable

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

Remarks : No information available.

SECTION 15: Regulatory information

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

Directive 96/82/EC of 9th December 1996

		Quantity 1	Quantity 2
6	Flammable.	5,000 t	50,000 t

Volatile organic compounds : 18 %

The components of this product are reported in the following inventories:

REACH : This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).

15.2 Chemical Safety Assessment

No information available.

SECTION 16: Other information

Full text of R-Phrases

R11 : Highly flammable.
R36 : Irritating to eyes.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 : Vapours may cause drowsiness and dizziness.

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Full text of H-Statements

H225 : Highly flammable liquid and vapour.

H319 : Causes serious eye irritation.

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

1.1 Product identifier

Trade name : KIMBERLY-CLARK PROFESSIONAL* Zen Fragrance Refill (6185)

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

Use of the Substance/Mixture : Aircare

1.3 Details of the supplier of the safety data sheet

Company : Kimberly-Clark Europe Limited
40 London Road
Reigate
Surrey RH2 9QP
United Kingdom

Telephone : +44 1737 736000

Telefax : +44 1737 736670

E-mail address Responsible/issuing person : sdscontact@kcc.com

1.4 Emergency telephone number

+44 1737 736000
This telephone number is available during office hours only.
0900 – 1700 GMT

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3 H226: Flammable liquid and vapour.

Eye irritation, Category 2 H319: Causes serious eye irritation.

Classification (67/548/EEC, 1999/45/EC)

Flammable R10: Flammable.

R67: Vapours may cause drowsiness and dizziness.

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2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	 
Signal word	:	Warning
Hazard statements	:	H226 Flammable liquid and vapour. H319 Causes serious eye irritation.
Precautionary statements	:	Prevention: P210 Keep away from heat. - No smoking. Response: P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical advice/attention. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish. Storage: P403 + P235 Store in a well-ventilated place. Keep cool. Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

Additional Labelling:

EUH208 May produce an allergic reaction.

Contains: Isocyclemone E

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. This product is a mixture. Health hazard information is based on its components.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration (%)
propan-2-ol	67-63-0 200-661-7	F; R11 Xi; R36	Flam. Liq.2; H225 Eye Irrit.2; H319	>= 15 - < 20

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Linalool	78-70-6 201-134-4	R67 Xi; R38-R43	STOT SE3; H336 Skin Irrit.2; H315	>= 0.1 - < 1
Coumarin	91-64-5 202-086-7	Xn; R22 R43		>= 0.1 - < 1
Isocyclemone E	54464-57-2 259-174-3	N; R51/53 Xi; R38-R43	Aquatic Chronic2; H411 Skin Irrit.2; H315 Skin Sens.1; H317	>= 0.1 - < 1

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

- General advice : No hazards which require special first aid measures.
- If inhaled : No hazards which require special first aid measures.
- In case of skin contact : Wash off with soap and plenty of water.
- In case of eye contact : Immediately flush eye(s) with plenty of water.
- If swallowed : Do NOT induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : No information available.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : No information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

- Suitable extinguishing media : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

- Unsuitable extinguishing media : Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

- Specific hazards during fire-fighting : Highly flammable liquid and vapour.
- Hazardous combustion products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

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5.3 Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

Further information : Use water spray to cool unopened containers.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.
Remove all sources of ignition.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : No special handling advice required.

Advice on protection against fire and explosion : Keep product and empty container away from heat and sources of ignition.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep containers tightly closed in a cool, well-ventilated place.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Specific use(s) : Aircare

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
propan-2-ol	67-63-0	TWA	400 ppm 999 mg/m ³	GB EH40
propan-2-ol	67-63-0	STEL	500 ppm 1,250 mg/m ³	GB EH40

8.2 Exposure controls

Personal protective equipment

Eye protection : Not required under normal use.

Skin and body protection : not required under normal use

Respiratory protection : Not required under normal use.

Protective measures : No special protective equipment required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid

Colour : clear

Odour : pleasant

pH : 5.75

Boiling point/boiling range : 100 °C

Flash point : 35 °C

Upper explosion limit : 12 %(V)

Lower explosion limit : 2 %(V)

Relative density : 0.980

Solubility(ies)
Water solubility : soluble

9.2 Other information

No data available

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SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage conditions.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.
No decomposition if used as directed.

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

Materials to avoid : Strong acids and oxidizing agents

10.6 Hazardous decomposition products

Hazardous decomposition products : Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Components:

propan-2-ol:

Acute oral toxicity : LD50 Oral (Rat): 5,840 mg/kg

Acute inhalation toxicity : LC50 (Rat): 16000 ppm

Acute dermal toxicity : LD50 Dermal (Rabbit): 12,800 mg/kg

Linalool:

Acute oral toxicity : LD50 Oral (Mouse, male and female): 3,500 mg/kg

Acute inhalation toxicity : LC50 (Mouse, male and female): 3.2 mg/l

Acute dermal toxicity : LD50 Dermal (Albino rabbit): 5,610 mg/kg

Coumarin:

Acute oral toxicity : LD50 Oral (Rat, male and female): 680 mg/kg

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Skin corrosion/irritation

Product:

Remarks: According to the classification criteria of the European Union, the product is not considered as being a skin irritant.

Serious eye damage/eye irritation

Product:

Remarks: According to the classification criteria of the European Union, the product is not considered as being an eye irritant.

Respiratory or skin sensitisation

Product:

Remarks: May cause sensitisation of susceptible persons.

Germ cell mutagenicity

Product:

Germ cell mutagenicity- Assessment : Contains no ingredient listed as a mutagen

Carcinogenicity

Product:

Carcinogenicity - Assessment : Contains no ingredient listed as a carcinogen

Reproductive toxicity

Product:

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction

STOT - single exposure

Product:

Remarks: No data available

STOT - repeated exposure

Product:

Remarks: No data available

Aspiration toxicity

Product:

May be harmful if swallowed and enters airways.

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Further information

Product:

Remarks: Health injuries are not known or expected under normal use., Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: No information available.

Toxicity to daphnia and other aquatic invertebrates : Remarks: No information available.

Toxicity to algae : Remarks: No information available.

Components:

propan-2-ol:

Toxicity to fish : LC50 : 9,640 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 : 10,000 mg/l
Exposure time: 24 h

Linalool:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 27.8 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 59 mg/l
Exposure time: 48 h

Coumarin:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 2.94 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 24.3 - 36.9 mg/l
Exposure time: 48 h

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: No information available.

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: Does not bioaccumulate.

Components:

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Coumarin:

Partition coefficient: n-octanol/water : log Pow: 1.39

12.4 Mobility in soil

Product:

Mobility : Remarks: No information available.

12.5 Results of PBT and vPvB assessment

Product:

Assessment : Based on available data, the classification criteria are not met.
: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Dispose of in accordance with local regulations.
Contaminated packaging : Dispose of as unused product.
Do not re-use empty containers.

SECTION 14: Transport information

14.1 UN number

ADR : UN 1993

14.2 UN proper shipping name

ADR : FLAMMABLE LIQUID, N.O.S.
(Isopropanol)

14.3 Transport hazard class(es)

ADR : 3

14.4 Packing group

ADR
Packing group : III

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Classification Code : F1
Labels : 3

14.5 Environmental hazards

ADR

Environmentally hazardous : no

14.6 Special precautions for user

Not applicable

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

Remarks : No information available.

SECTION 15: Regulatory information

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

Directive 96/82/EC of 9th December 1996

		Quantity 1	Quantity 2
6	Flammable.	5,000 t	50,000 t

Volatile organic compounds : 18.02 %

The components of this product are reported in the following inventories:

REACH : This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).

15.2 Chemical Safety Assessment

No information available.

SECTION 16: Other information

Full text of R-Phrases

R11 : Highly flammable.
R22 : Harmful if swallowed.
R36 : Irritating to eyes.
R38 : Irritating to skin.
R43 : May cause sensitisation by skin contact.
R51/53 : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 : Vapours may cause drowsiness and dizziness.

Full text of H-Statements

H225 : Highly flammable liquid and vapour.
H315 : Causes skin irritation.
H317 : May cause an allergic skin reaction.

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