SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

Version 1.0	MSDS Number: 100000003456	Revision Date: 16.11.2015		
SECTION 1: Identificat	ion of the substance/mixture and of th	e company/undertaking		
1.1 Product identifier				
Trade name	: KIMBERLY-CLARK PROFESSI Refill (6181)	KIMBERLY-CLARK PROFESSIONAL* Harmony Fragrance Refill (6181)		
1.2 Relevant identified us	ses of the substance or mixture and uses a	advised against		
Use of the Substance/Mixture	: Aircare			
1.3 Details of the supplie	r 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 p	: sdscontact@kcc.com person			
1.4 Emergency teleph	one number			
	+44 1737 736000 This telephone number is availa 0900 – 1700 GMT	able during office hours only.		

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.		

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Version 1.0	MSDS Number: 100	0000003456 Revision Date: 16.11.2015
Signal word	: Warning	
Hazard statements	: H226 H319	Flammable liquid and vapour. Causes serious eye irritation.
Precautionary statements	 Prevention: P210 Response: P305 + P351 + P3 P337 + P313 P370 + P378 Storage: P403 + P235 Disposal: P501 	 Keep away from heat No smoking. 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. Store in a well-ventilated place. Keep cool. 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.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	: No hazards which require special first aid measures.
If inhaled	: Not required under normal use.
In case of skin contact	: Wash off with soap and plenty of water. If skin irritation persists, call a physician.

/ersion 1.0	MSDS Number: 100000003456	Revision Date: 16.11.2015
In case of eye contact	: Immediately flush eye(s) with p	lenty of water.
If swallowed	: Do NOT induce vomiting.	
.2 Most important symptoms ar Symptoms	nd effects, both acute and delayed : No information available.	3
.3 Indication of any immediate i Treatment	medical attention and special treater : No information available.	itment needed
SECTION 5: Firefighting meas	sures	
.1 Extinguishing media		
Suitable extinguishing media	: Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical	
Unsuitable extinguishing media	: Do NOT use water jet.	
.2 Special hazards arising from	the substance or mixture	
Specific hazards during firefighting	: Highly flammable liquid and va	pour.
Hazardous combustion products	: Carbon monoxide, carbon diox hydrocarbons (smoke).	ide and unburned
3.3 Advice for firefighters		
Special protective equipment	: In the event of fire, wear self-co	ontained breathing apparatus.
for firefighters		

SECTION 6: Accidental release measures

6.1 Personal precautions, protect Personal precautions		e equipment and emergency procedures Ensure adequate ventilation. Remove all sources of ignition.
6.2 Environmental precautions Environmental precautions	:	Prevent product from entering drains.

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

KIMBERLY-CLARK PROFESSIONAL* Harmony Fragrance Refill (6181)

Version 1.0 MSDS Number: 10000003456 Revision Date: 16.11.2015

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	g : 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, Requirements for storage areas and containers	
Advice on common storage	: No special restrictions on storage with other products.
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/m3	GB EH40
propan-2-ol	67-63-0	STEL	500 ppm 1,250 mg/m3	GB EH40

8.2 Exposure controls

Personal protective equipm Eye protection	nent : Not required under normal use.
Hand protection	
Remarks	: For prolonged or repeated contact use protective gloves.
Skin and body protection	: not required under normal use
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Version 1.0	MSDS Number: 100000003456	Revision Date: 16.11.2015
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
рН	:	5.75
Boiling point/boiling range	:	100 °C
Flash point	:	32 °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. Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks

10.5 Incompatible materials

Version 1.0	MSDS Number: 10000003456	Revision Date: 16.11.2015
Materials to avoid	: Strong acids and oxidizing age	nts

10.6 Hazardous decomposition products

Hazardous decomposition : Stable under recommended storage conditions. products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	
<u>Components:</u> propan-2-ol: Acute oral toxicity	: LD50 Oral (Rat): 5,840 mg/kg Method: OECD Test Guideline 401 GLP: no
Acute inhalation toxicity	: LC50 (Rat, male and female): > 10000 ppm Exposure time: 6 h Method: OECD Test Guideline 403 GLP: yes
Acute dermal toxicity	: LD50 Dermal (Rabbit): 12,800 mg/kg Method: OECD Test Guideline 402 GLP: no

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:

propan-2-ol: Species: Rabbit Method: No information available. Result: No skin irritation GLP: no

Serious eye damage/eye irritation

Product:

Remarks: Contact with eyes may cause irritation.

Components:

propan-2-ol: Species: Rabbit Method: OECD Test Guideline 405 Result: Severe eye irritant GLP: no

Version 1.0

MSDS Number: 10000003456

Revision Date: 16.11.2015

Respiratory or skin sensitisation

Product:

Remarks: No data available

Components:

propan-2-ol: Test Type: Buehler Test Species: Guinea pig Method: OECD Test Guideline 406 Result: Did not cause sensitisation on laboratory animals. GLP: yes

Germ cell mutagenicity

Product:

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

Carcinogenicity

Product:

Carcinogenicity -	:	Contains no ingredient listed as a carcinogen
Assessment		

Reproductive toxicity

Product:

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

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:

Version 1.0

MSDS Number: 10000003456

Revision Date: 16.11.2015

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

	Remarks: No information available.
•	Remarks. No information available.
:	Remarks: No information available.
:	Remarks: No information available.
:	LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l Exposure time: 96 h Test Type: flow-through test Method: OECD Test Guideline 203 GLP: no
	LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l Exposure time: 96 h Test Type: flow-through test Method: OECD Test Guideline 203 GLP: no
:	EC50 (Daphnia magna (Water flea)): 9,714 mg/l Exposure time: 24 h Test Type: static test Method: OECD Test Guideline 202 GLP: no
ty	
:	Remarks: No information available.
:	Remarks: Does not bioaccumulate.
	: : ty :

12.4 Mobility in soil

Product:

Mobility :	Remarks: No information available.
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Version 1.0	MSDS Number: 100000003456	Revision Date: 16.11.2015						
12.5 Results of PBT and vPvB assessment								
Product:								
Assessment	: This substance/mixture contains to be either persistent, bioaccurr very persistent and very bioaccu 0.1% or higher	nulative and toxic (PBT), or						
12.6 Other adverse effects								
<u>Product:</u> Additional ecological	: There is no data available for thi	s product.						
information								

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 Classification Code Labels	:	III F1 3
14.5 Environmental hazards		
ADR Environmentally hazardous	:	no
14.6 Special precautions for user Not applicable		
14.7 Transport in bulk according Remarks	to :	Annex II of MARPOL 73/78 and the IBC Code No information available.

Version 1.0

MSDS Number: 10000003456

Revision Date: 16.11.2015

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
P5c	FLAMMABLE LIQUIDS	5,000 t	50,000 t

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 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.

Version 1.0	MSDS Number: 100000003377	Revision Date: 16.11.2015		
SECTION 1: Identificati	on of the substance/mixture and of th	e company/undertaking		
1.1 Product identifier Trade name	: KIMBERLY-CLARK PROFESSI Refill (6182)	ONAL* Energy Fragrance		
1.2 Relevant identified uses of the substance or mixture and uses advised against				

Use of the	:
Substance/Mixture	

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

Aircare

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.			

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Version 1.0	MSDS Number: 100	0000003377 Revision Date: 16.11.2015
Signal word	: Warning	
Hazard statements	: H226 H319	Flammable liquid and vapour. Causes serious eye irritation.
Precautionary statements	 Prevention: P210 Response: P305 + P351 + P P337 + P313 P370 + P378 	 Keep away from heat No smoking. 338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
	Storage: P403 + P235 Disposal: P501	Store in a well-ventilated place. Keep cool. 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.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	: No hazards which require special first aid measures.
If inhaled	: Not required under normal use.
In case of skin contact	: Wash off with soap and plenty of water. If skin irritation persists, call a physician.

Version 1.0	M	SDS Number: 100000003377	Revision Date: 16.11.2015
In case of eye contact	:	Immediately flush eye(s) with ple	enty of water.
If swallowed	:	Do NOT induce vomiting.	
4.2 Most important symptoms ar	nd e	ffects, both acute and delayed	
Symptoms	:	No information available.	
4.3 Indication of any immediate r Treatment		lical attention and special treating No information available.	ment needed
SECTION 5: Firefighting meas	sur	es	
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 firefighting	:	Highly flammable liquid and vapo	our.
Hazardous combustion products	:	Carbon monoxide, carbon dioxid hydrocarbons (smoke).	le and unburned
5.3 Advice for firefighters			
	:	In the event of fire, wear self-cor	ntained breathing apparatus.
Special protective equipment for firefighters			

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.		

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

KIMBERLY-CLARK PROFESSIONAL* Energy Fragrance Refill (6182)

Version 1.0

MSDS Number: 10000003377

Revision Date: 16.11.2015

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	3: 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, i Requirements for storage areas and containers	including any incompatibilities : Keep container tightly closed in a dry and well-ventilated place.
Advice on common storage	: No special restrictions on storage with other products.
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/m3	GB EH40
propan-2-ol	67-63-0	STEL	500 ppm 1,250 mg/m3	GB EH40

8.2 Exposure controls

Personal protective equipm Eye protection	nent : Not required under normal use.
Hand protection	
Remarks	: For prolonged or repeated contact use protective gloves.
Skin and body protection	: not required under normal use
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Version 1.0	MSDS Number: 100000003377	Revision Date: 16.11.2015
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
рН	:	5.75
Boiling point/boiling range	:	100 °C
Flash point	:	32 °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. Vapours may form explosive mixture with air.

10.4 Conditions to avoid

	Conditions to avoid	: Heat, flames and sparks.
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10.5 Incompatible materials

Version 1.0	MSDS Number: 10000003377	Revision Date: 16.11.2015
Materials to avoid	: Strong acids and oxidizing age	nts

10.6 Hazardous decomposition products

Hazardous decomposition : Stable under recommended storage conditions. products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	
<u>Components:</u> propan-2-ol: Acute oral toxicity	: LD50 Oral (Rat): 5,840 mg/kg Method: OECD Test Guideline 401 GLP: no
Acute inhalation toxicity	: LC50 (Rat, male and female): > 10000 ppm Exposure time: 6 h Method: OECD Test Guideline 403 GLP: yes
Acute dermal toxicity	: LD50 Dermal (Rabbit): 12,800 mg/kg Method: OECD Test Guideline 402 GLP: no

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:

propan-2-ol: Species: Rabbit Method: No information available. Result: No skin irritation GLP: no

Serious eye damage/eye irritation

Product:

Remarks: Contact with eyes may cause irritation.

Components:

propan-2-ol: Species: Rabbit Method: OECD Test Guideline 405 Result: Severe eye irritant GLP: no

Version 1.0

MSDS Number: 10000003377

Revision Date: 16.11.2015

Respiratory or skin sensitisation

Product:

Remarks: No data available

Components:

propan-2-ol: Test Type: Buehler Test Species: Guinea pig Method: OECD Test Guideline 406 Result: Did not cause sensitisation on laboratory animals. GLP: yes

Germ cell mutagenicity

Product:

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

Carcinogenicity

Product:

Carcinogenicity -	:	Contains no ingredient listed as a carcinogen
Assessment		

Reproductive toxicity

Product:

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

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:

Version 1.0

MSDS Number: 10000003377

Revision Date: 16.11.2015

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

	<u>Product:</u> Toxicity to fish		Remarks: No information available.
		•	Remarks: No information available.
	aquatic invertebrates	•	
	Toxicity to algae	:	Remarks: No information available.
	Components:		
	propan-2-ol:		
	Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l Exposure time: 96 h Test Type: flow-through test Method: OECD Test Guideline 203 GLP: no
			LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l Exposure time: 96 h Test Type: flow-through test Method: OECD Test Guideline 203 GLP: no
	Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 9,714 mg/l Exposure time: 24 h Test Type: static test Method: OECD Test Guideline 202 GLP: no
12.	2 Persistence and degradabilit	ty	
	Product:		
	Biodegradability	:	Remarks: No information available.
12.3	3 Bioaccumulative potential		
	Product:		
			Demoster Deserve this second to
	Bioaccumulation	:	Remarks: Does not bioaccumulate.

12.4 Mobility in soil

Product:

Mobility :	Remarks: No information available.
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MSDS Number: 10000003377	Revision Date: 16.11.2015
assessment	
 This substance/mixture contains to be either persistent, bioaccun very persistent and very bioaccu 0.1% or higher 	nulative and toxic (PBT), or
: There is no data available for th	is product.
	assessment : This substance/mixture contains to be either persistent, bioaccur very persistent and very bioaccu 0.1% or higher

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 Classification Code Labels	:	III F1 3
14.5 Environmental hazards		
ADR Environmentally hazardous	:	no
14.6 Special precautions for user Not applicable		
14.7 Transport in bulk according Remarks	to :	Annex II of MARPOL 73/78 and the IBC Code No information available.

Version 1.0

MSDS Number: 10000003377

Revision Date: 16.11.2015

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
P5c	FLAMMABLE LIQUIDS	5,000 t	50,000 t

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 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.

SAFETY DATA SHEET according to Regulation (EC) No	o. 1907/2006						
KIMBERLY-CLARK PROFESSIONAL* Joy Fragrance Refill (6183)							
Version 1.0	MSDS Number: 10000003455 Revision Date: 16.1	1.2015					
SECTION 1: Identification of	SECTION 1: Identification of the substance/mixture and of the company/undertaking						
1.1 Product identifier							
Trade name	: KIMBERLY-CLARK PROFESSIONAL* Joy Fragrance R (6183)	efill					
1.2 Relevant identified uses o	of the substance or mixture and uses advised against						
Use of the Substance/Mixture	: Aircare						
1.3 Details of the supplier of t	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 perso	: sdscontact@kcc.com n						
1.4 Emergency telephone	number						
	+44 1737 736000 This telephone number is available during office hours o 0900 – 1700 GMT	only.					

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.				
2 Label elements					

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Version 1.0	MSDS Number: 10	0000003455 Revision Date: 16.11.2015
Signal word	: Warning	
Hazard statements	: H226 H319	Flammable liquid and vapour. Causes serious eye irritation.
Precautionary statements	 Prevention: P210 Response: P305 + P351 + F P337 + P313 P370 + P378 Storage: P403 + P235 Disposal: P501 	 Keep away from heat No smoking. P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction. Store in a well-ventilated place. Keep cool. 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
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	Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 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.

	, , 5	
Version 1.0	MSDS Number: 100000003455	Revision Date: 16.11.2015
If inhaled	: Not required under normal use.	
In case of skin contact	: Wash off with soap and plenty o If skin irritation persists, call a pl	
In case of eye contact	: Immediately flush eye(s) with ple	enty of water.
If swallowed	: Do NOT induce vomiting.	
4.2 Most important symptoms	s and effects, both acute and delayed	
Symptoms	: No information available.	

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

Treatment :	No information availabl
-------------	-------------------------

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 firefighting	: 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 Person	al prec	autions, p	protective equi	pment a	nd e	mergency	procedures
_			_				

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

Version 1.0	MSDS Number: 10000003455	Revision Date: 16.11.2015
6.2 Environmental precautions		
Environmental precautions	: Prevent product from enterin	g drains.
6.3 Methods and material for co		
Methods for cleaning up	: Wipe up with absorbent mate	erial (e.g. cloth, fleece).
6.4 Reference to other sections		
For personal protection see s	ection 8.	
SECTION 7: Handling and sto	brage	
C C	0	
7.1 Precautions for safe handlin	9	
Advice on safe handling	: No special handling advice r	equired.
Advice on protection against	: Keep product and empty cor	ntainer away from heat and
fire and explosion	sources of ignition.	·
Hygiene measures		ood industrial hygiene and safety
	practice.	
7.2 Conditions for safe storage,	including any incompatibilities	
Requirements for storage	: Keep container tightly closed	d in a dry and well-ventilated
areas and containers	place.	
Advice on common storage	: No special restrictions on sto	prage with other products.
Other data	: No decomposition if stored a	nd applied as directed.
7.3 Specific end use(s)		
Specific use(s)	: Aircare	

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/m3	GB EH40
propan-2-ol	67-63-0	STEL	500 ppm 1,250 mg/m3	GB EH40

8.2 Exposure controls

Personal protective equipment

Eye protection : Not required under normal use.

Hand protection

Version 1.0	MSDS Number: 100000003455	Revision Date: 16.11.2015
Remarks	: For prolonged or repeated conta	at uso protoctivo alovos
Remains	. For protonged of repeated conta	ci use protective gloves.
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
рН	:	5.75
Boiling point/boiling range	:	100 °C
Flash point	:	32 °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.	

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

	OFESSIONAL JUY FIAYIA	ance Renn (0103)
Version 1.0	MSDS Number: 10000003455	Revision Date: 16.11.2015
Conditions to avoid	: Heat, flames and sparks.	
10.5 Incompatible materials		
Materials to avoid	: Strong acids and oxidizing ager	nts
10.6 Hazardous decomposition	products	
Hazardous decomposition products	: Stable under recommended sto	rage conditions.
	aformation.	
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 Method: OECD Test Guideline 401 GLP: no
Acute inhalation toxicity	 LC50 (Rat, male and female): > 10000 ppm Exposure time: 6 h Method: OECD Test Guideline 403 GLP: yes
Acute dermal toxicity	: LD50 Dermal (Rabbit): 12,800 mg/kg Method: OECD Test Guideline 402 GLP: no
1,3,4,6,7,8-hexahydro-4,6,6,7 Acute oral toxicity	 7,8,8-hexamethylindeno[5,6-c]pyran: LD50 Oral (Rat, female): > 4,640 mg/kg Method: OECD Test Guideline 401 GLP: No information available.
Acute dermal toxicity	 LD50 Dermal (Rat, male): > 10,000 mg/kg Method: OECD Test Guideline 402 GLP: No information available.

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:

propan-2-ol: Species: Rabbit Method: No information available. Result: No skin irritation GLP: no

Version 1.0

MSDS Number: 10000003455

Revision Date: 16.11.2015

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

Species: Rabbit Method: OECD Test Guideline 404 Result: No skin irritation GLP: yes

Serious eye damage/eye irritation

Product:

Remarks: Contact with eyes may cause irritation.

Components:

propan-2-ol: Species: Rabbit Method: OECD Test Guideline 405 Result: Severe eye irritant GLP: no

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

Species: Rabbit Method: OECD Test Guideline 405 Result: No eye irritation GLP: yes

Respiratory or skin sensitisation

Product:

Remarks: No data available

Components:

propan-2-ol: Test Type: Buehler Test Species: Guinea pig Method: OECD Test Guideline 406 Result: Did not cause sensitisation on laboratory animals. GLP: yes

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

Test Type: Maximisation Test (GPMT) Species: Guinea pig Method: No information available. Result: Did not cause sensitisation on laboratory animals. GLP: no

Germ cell mutagenicity

Product:

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

ersion 1.0	MSDS Number: 1000000	03455 Revision Date: 16	6.11.2015
Carcinogenicity			
Product:			
Carcinogenicity - Assessment	: Contains no ingredien	t listed as a carcinogen	
Reproductive toxicity			
Product:			
Reproductive toxicity - Assessment	: Contains no ingredien	t 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 a	nd enters airways.		
Further information			
Product:			
Remarks: Health injuries are r overexposure may be headac			
ECTION 12: Ecological infor	mation		
2.1 Toxicity			
Product:	_		
Toxicity to fish	: Remarks: No informat	ion available.	
Toxicity to daphnia and other aquatic invertebrates	: Remarks: No informat	ion available.	

Components:

Toxicity to algae

propan-2-ol:	
Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l Exposure time: 96 h Test Type: flow-through test

: Remarks: No information available.

	Method: OECD Test Guideline 203 GLP: no
	LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l Exposure time: 96 h Test Type: flow-through test Method: OECD Test Guideline 203 GLP: no
Toxicity to daphnia and other aquatic invertebrates	 EC50 (Daphnia magna (Water flea)): 9,714 mg/l Exposure time: 24 h Test Type: static test Method: OECD Test Guideline 202 GLP: no
1,3,4,6,7,8-hexahydro-4,6,6,	7,8,8-hexamethylindeno[5,6-c]pyran:
Toxicity to algae	 EC50 (Pseudokirchneriella subcapitata (green algae)): 0.723 mg/l Exposure time: 72 h Test Type: static test Method: OECD Test Guideline 201 GLP: yes
Ecotoxicology Assessment Chronic aquatic toxicity	: Very toxic to aquatic life with long lasting effects.
2.2 Persistence and degradabi	lity
<u>Product:</u> Biodegradability	: Remarks: No information available.
<u>Components:</u> 1,3,4,6,7,8-hexahydro-4,6,6, Biodegradability	7,8,8-hexamethylindeno[5,6-c]pyran: : Result: Not biodegradable
2.3 Bioaccumulative potential	
Product:	
Bioaccumulation	: Remarks: Does not bioaccumulate.
<u>Components:</u> 1,3,4,6,7,8-hexahydro-4,6,6, Partition coefficient: n- octanol/water	7,8,8-hexamethylindeno[5,6-c]pyran: : log Pow: 5.3
2.4 Mobility in soil	
<u>Product:</u> Mobility	: Remarks: No information available.

MSDS Number: 10000003455	Revision Date: 16.11.2015
B assessment	
to be either persistent, bioaccum	nulative and toxic (PBT), or
: There is no data available for thi	s product.
	3 assessment : This substance/mixture contains to be either persistent, bioaccum very persistent and very bioaccu

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 Classification Code Labels	: III : F1 : 3
14.5 Environmental hazards	
ADR Environmentally hazardous	: no
14.6 Special precautions for user Not applicable	r
14.7 Transport in bulk according Remarks	to Annex II of MARPOL 73/78 and the IBC Code : No information available.

Version 1.0

MSDS Number: 10000003455

Revision Date: 16.11.2015

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
P5c	FLAMMABLE LIQUIDS	5,000 t	50,000 t

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.
R50	: Very toxic to aquatic organisms.
R53	: 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.

H225 : Highly t H319 : Causes

: Causes serious eye irritation.

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.

SAFETY DATA SHEET according to Regulation (EC) N		
	PROFESSIONAL* Fresh Fragrance Refill (61	84)
Version 1.0	MSDS Number: 10000003457 Revision Date: 16.1	1.2015
SECTION 1: Identification of the substance/mixture and of the company/undertaking		
1.1 Product identifier		
Trade name	: KIMBERLY-CLARK PROFESSIONAL* Fresh Fragrance (6184)	∋ Refill
1.2 Relevant identified uses of	of the substance or mixture and uses advised against	
Use of the Substance/Mixture	: Aircare	
1.3 Details of the supplier of t	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 perso	: sdscontact@kcc.com	
1.4 Emergency telephone	number	
	+44 1737 736000 This telephone number is available during office hours 0900 – 1700 GMT	only.

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.	
2 Label elements		

2.2 La

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Version 1.0	MSDS Number: 10	0000003457 Revision Date: 16.11.2015
Signal word	: Warning	
Hazard statements	: H226 H319	Flammable liquid and vapour. Causes serious eye irritation.
Precautionary statements		Keep away from heat No smoking. 2338 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 for extinction.
	Storage: P403 + P235 Disposal:	Store in a well-ventilated place. Keep cool.
	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.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	: No hazards which require special first aid measures.
If inhaled	: Not required under normal use.
In case of skin contact	: Wash off with soap and plenty of water. If skin irritation persists, call a physician.

Version 1.0	MSDS Number: 10000003457	Revision Date: 16.11.2015
In case of eye contact	: Immediately flush eye(s) with p	lopty of water
-		
If swallowed	: Do NOT induce vomiting.	
.2 Most important symptoms an	nd effects, both acute and delayed	ł
Symptoms	: No information available.	
I.3 Indication of any immediate r	nedical attention and special trea : No information available.	tment needed
Suitable extinguishing media	: Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical	
Suitable extinguishing media	Carbon dioxide (CO2)	
Unsuitable extinguishing media	: Do NOT use water jet.	
media		pour.
media 5.2 Special hazards arising from Specific hazards during	the substance or mixture	
media 5.2 Special hazards arising from Specific hazards during firefighting Hazardous combustion	 the substance or mixture Highly flammable liquid and vap Carbon monoxide, carbon dioxide 	
media 5.2 Special hazards arising from Specific hazards during firefighting Hazardous combustion products 5.3 Advice for firefighters	 the substance or mixture Highly flammable liquid and vap Carbon monoxide, carbon dioxide 	ide and unburned

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Personal precautions : Ensure adequate ventilation.		
6.2 Environmental precautions	Remove all sources of ignition.	
Environmental precautions	Prevent product from entering drains.	

Version 1.0

MSDS Number: 10000003457

Revision Date: 16.11.2015

6.3 Methods and material for containment and cleaning up

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

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, in Requirements for storage areas and containers	
Advice on common storage	: No special restrictions on storage with other products.
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/m3	GB EH40
propan-2-ol	67-63-0	STEL	500 ppm 1,250 mg/m3	GB EH40

8.2 Exposure controls

Personal protective equipm Eye protection	nent : Not required under normal use.
Hand protection	
Remarks	: For prolonged or repeated contact use protective gloves.
Skin and body protection	: not required under normal use
	4 / 10

Version 1.0	MSDS Number: 10000003457	Revision Date: 16.11.2015
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
рН	:	5.75
Boiling point/boiling range	:	100 °C
Flash point	:	32 °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. Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks

10.5 Incompatible materials

Version 1.0	MSDS Number: 10000003457	Revision Date: 16.11.2015
Materials to avoid	: Strong acids and oxidizing age	nts

10.6 Hazardous decomposition products

Hazardous decomposition : Stable under recommended storage conditions. products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	
<u>Components:</u> propan-2-ol: Acute oral toxicity	: LD50 Oral (Rat): 5,840 mg/kg Method: OECD Test Guideline 401 GLP: no
Acute inhalation toxicity	: LC50 (Rat, male and female): > 10000 ppm Exposure time: 6 h Method: OECD Test Guideline 403 GLP: yes
Acute dermal toxicity	: LD50 Dermal (Rabbit): 12,800 mg/kg Method: OECD Test Guideline 402 GLP: no

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:

propan-2-ol: Species: Rabbit Method: No information available. Result: No skin irritation GLP: no

Serious eye damage/eye irritation

Product:

Remarks: Contact with eyes may cause irritation.

Components:

propan-2-ol: Species: Rabbit Method: OECD Test Guideline 405 Result: Severe eye irritant GLP: no

Version 1.0

MSDS Number: 10000003457

Revision Date: 16.11.2015

Respiratory or skin sensitisation

Product:

Remarks: No data available

Components:

propan-2-ol: Test Type: Buehler Test Species: Guinea pig Method: OECD Test Guideline 406 Result: Did not cause sensitisation on laboratory animals. GLP: yes

Germ cell mutagenicity

Product:

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

Carcinogenicity

Product:

Carcinogenicity -	:	Contains no ingredient listed as a carcinogen
Assessment		

Reproductive toxicity

Product:

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

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

Version 1.0

MSDS Number: 10000003457

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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

	<u>Product:</u> 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.
	<u>Components:</u> propan-2-ol:		
	Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l Exposure time: 96 h Test Type: flow-through test Method: OECD Test Guideline 203 GLP: no
			LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l Exposure time: 96 h Test Type: flow-through test Method: OECD Test Guideline 203 GLP: no
	Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 9,714 mg/l Exposure time: 24 h Test Type: static test Method: OECD Test Guideline 202 GLP: no
12.2	2 Persistence and degradabilit	ty	
	<u>Product:</u> Biodegradability	:	Remarks: No information available.
12.3	3 Bioaccumulative potential		
	Product: Bioaccumulation	:	Remarks: Does not bioaccumulate.

12.4 Mobility in soil

Mobility :	Remarks: No information	available.
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MSDS Number: 10000003457	Revision Date: 16.11.2015
assessment	
to be either persistent, bioaccum	ulative and toxic (PBT), or
: There is no data available for this	s product.
	assessment : This substance/mixture contains to be either persistent, bioaccum very persistent and very bioaccu

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 Classification Code Labels	:	III F1 3
14.5 Environmental hazards		
ADR Environmentally hazardous	:	no
14.6 Special precautions for user Not applicable		
14.7 Transport in bulk according Remarks	to :	Annex II of MARPOL 73/78 and the IBC Code No information available.

Version 1.0

MSDS Number: 10000003457

Revision Date: 16.11.2015

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
P5c	FLAMMABLE LIQUIDS	5,000 t	50,000 t

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 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.

SAFETY DATA SHEET according to Regulation (EC) No	o. 1907/2006	
	ROFESSIONAL* Zen Fragra	ance Refill (6185)
Version 1.0	MSDS Number: 100000003458	Revision Date: 16.11.2015
SECTION 1: Identification of	of the substance/mixture and of th	e company/undertaking
1.1 Product identifier		
Trade name	: KIMBERLY-CLARK PROFESSI (6185)	ONAL* Zen Fragrance Refill
1.2 Relevant identified uses o	of the substance or mixture and uses a	advised against
Use of the Substance/Mixture	: Aircare	-
1.3 Details of the supplier of t	he 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 persor	: sdscontact@kcc.com n	
1.4 Emergency telephone r	number	
	+44 1737 736000 This telephone number is availa 0900 – 1700 GMT	ble during office hours only.

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.			
2 Label elements				

2.2 La

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Version 1.0	MSDS Number: 100	0000003458 Revision Date: 16.11.2015
Signal word	: Warning	
Hazard statements	: H226 H319	Flammable liquid and vapour. Causes serious eye irritation.
Precautionary statements		Keep away from heat No smoking. 338 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 for extinction.
	Storage: P403 + P235 Disposal:	Store in a well-ventilated place. Keep cool.
	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.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	: No hazards which require special first aid measures.
If inhaled	: Not required under normal use.
In case of skin contact	: Wash off with soap and plenty of water. If skin irritation persists, call a physician.

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In case of eye contact	: Immediate	ely flush eye(s) with ple	enty of water.	
If swallowed	: Do NOT ir	Do NOT induce vomiting.		
4.2 Most important symptoms a		-		
Symptoms	: No informa	ation available.		
4.3 Indication of any immediate	nedical attent	ion and special treat	ment needed	
Treatment	: No informa	ation available.		
SECTION 5: Firefighting meas	ures			
5.1 Extinguishing media				
Suitable extinguishing media	: Alcohol-re Carbon die Dry chemi	oxide (CO2)		
Unsuitable extinguishing media	: Do NOT u	se water jet.		
5.2 Special hazards arising from	the substance	e or mixture		
Specific hazards during firefighting	: Highly flan	nmable liquid and vap	our.	
Hazardous combustion products		onoxide, carbon dioxic ons (smoke).	le and unburned	
5.3 Advice for firefighters				
Special protective equipment for firefighters	: In the even	nt of fire, wear self-cor	ntained breathing apparatus.	
Further information	Fire residu	spray to cool unopene ues and contaminated ed of in accordance wi	fire extinguishing water must	

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.			

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6.3 Methods and material for containment and cleaning up

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

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	g : 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, Requirements for storage areas and containers	
Advice on common storage	: No special restrictions on storage with other products.
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/m3	GB EH40
propan-2-ol	67-63-0	STEL	500 ppm 1,250 mg/m3	GB EH40

8.2 Exposure controls

Personal protective equipm Eye protection	nent : Not required under normal use.
Hand protection	
Remarks	: For prolonged or repeated contact use protective gloves.
Skin and body protection	: not required under normal use
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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
рН	:	5.75
Boiling point/boiling range	:	100 °C
Flash point	:	32 °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. Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks

10.5 Incompatible materials

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Materials to avoid	: Strong acids and oxidizing agents	5

10.6 Hazardous decomposition products

Hazardous decomposition : Stable under recommended storage conditions. products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	
<u>Components:</u> propan-2-ol: Acute oral toxicity	: LD50 Oral (Rat): 5,840 mg/kg Method: OECD Test Guideline 401 GLP: no
Acute inhalation toxicity	: LC50 (Rat, male and female): > 10000 ppm Exposure time: 6 h Method: OECD Test Guideline 403 GLP: yes
Acute dermal toxicity	: LD50 Dermal (Rabbit): 12,800 mg/kg Method: OECD Test Guideline 402 GLP: no

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:

propan-2-ol: Species: Rabbit Method: No information available. Result: No skin irritation GLP: no

Serious eye damage/eye irritation

Product:

Remarks: Contact with eyes may cause irritation.

Components:

propan-2-ol: Species: Rabbit Method: OECD Test Guideline 405 Result: Severe eye irritant GLP: no

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Respiratory or skin sensitisation

Product:

Remarks: No data available

Components:

propan-2-ol: Test Type: Buehler Test Species: Guinea pig Method: OECD Test Guideline 406 Result: Did not cause sensitisation on laboratory animals. GLP: yes

Germ cell mutagenicity

Product:

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

Carcinogenicity

Product:

Carcinogenicity -	:	Contains no ingredient listed as a carcinogen
Assessment		

Reproductive toxicity

Product:

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

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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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

	<u>Product:</u> Toxicity to fish	:	Remarks: No information available.
			Remarks: No information available.
	Toxicity to algae	:	Remarks: No information available.
	<u>Components:</u> propan-2-ol:		
	Toxicity to fish	:	LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l Exposure time: 96 h Test Type: flow-through test Method: OECD Test Guideline 203 GLP: no
			LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l Exposure time: 96 h Test Type: flow-through test Method: OECD Test Guideline 203 GLP: no
	Toxicity to daphnia and other aquatic invertebrates	:	EC50 (Daphnia magna (Water flea)): 9,714 mg/l Exposure time: 24 h Test Type: static test Method: OECD Test Guideline 202 GLP: no
12.	2 Persistence and degradabilit	ty	
	<u>Product:</u> Biodegradability	:	Remarks: No information available.
12.	3 Bioaccumulative potential		
	Product: Bioaccumulation	:	Remarks: Does not bioaccumulate.

12.4 Mobility in soil

Mobility :	Remarks: No information available.
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B assessment				
to be either persistent, bioaccum	ulative and toxic (PBT), or			
: There is no data available for thi	s product.			
	3 assessment : This substance/mixture contains to be either persistent, bioaccum very persistent and very bioaccu			

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 Classification Code Labels	:	III F1 3
14.5 Environmental hazards		
ADR Environmentally hazardous	:	no
14.6 Special precautions for user Not applicable		
14.7 Transport in bulk according Remarks	to :	Annex II of MARPOL 73/78 and the IBC Code No information available.

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SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

		Quantity 1	Quantity 2
P5c	FLAMMABLE LIQUIDS	5,000 t	50,000 t

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 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.