According to Regulation (EC) 1907/2006

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IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name Product code Application	 FRESH CITRUS 1254864 - 100ml Airfreshener. For industrial or institutional use. Professional use.
Supplier	: HIS G. Jubileumplein 19 B-3582 Koersel, Belgium
E-mail	: info@hisbvba.com

EMERGENCY TELEPHONE NUMBER, for DOCTORS/FIRE BRIGADE/POLICE only:

BE - Telephone : +32 78 15 80 81

(During office hours only)

2 HAZARDS ID	ENTIFICATION	*	*
Classification	: Extremely flam	nable. Dangerous for the environment.	
Human health hazards	in a narcotic effe	usual industrial or commercial handling. Exposure to high vapour concentrations may re ect. Use only as directed. Intentional misuse by deliberately concentrating and inhaling harmful or fatal. May produce an allergic reaction.	esult
Physical/chemical hazards	or any incandes	nable. Keep away from sources of ignition — No smoking. Do not spray on a naked fla cent material. Do not spray near fire, sources of heat or live electrical equipment. Aeroso m internal pressure build-up when exposed to temperatures exceeding 50 °C.	
Environmental hazards Other information	: Harmful to aqua : Keep out of the	tic organisms, may cause long-term adverse effects in the aquatic environment. reach of children. Caution: Do not breathe spray. Use only in well-ventilated areas. Spra or a short period only. Ventilate well after use. Harmful to house pets.	ay in
Label elements (99/45/EC):			
Hazard symbols			
	F+: Extremely flammable		
R- and S-phrases	: R12 R52/53	Extremely flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.	
	S2	Keep out of the reach of children.	
	S16 S23 Aerosol	Keep away from sources of ignition — No smoking. Do not breathe spray.	
	S51	Use only in well-ventilated areas.	
Label elements (1272/2008/	EC):		
Hazard pictograms			
Signal word	: Danger		
H- and P-phrases	: H222 H412 P210 P211	Extremely flammable aerosol. Harmful to aquatic life with long lasting effects. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Do not spray on an open flame or other ignition source.	

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P251	Pressurized container: Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do no expose to temperatures exceeding 50 °C/122 °F.
P273	Avoid release to the environment.
P501	Dispose of contents/container to an official chemical waste depot.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Product description

: Preparation.

Substance name	Concentration	CAS nr.	EC nr.	Symbols	R-phrases
	(w/w) (%)				
Isobutane	50 - 75	75-28-5	200-857-2	F+	12
Ethanol	10 - 20	64-17-5	200-578-6	F	11
Propan-2-ol	10 - 15	67-63-0	200-661-7	F; Xi	11-36-67
Propyleneglycol	1 - 5	57-55-6	200-338-0		
Butane	0,1 - 1	106-97-8	203-448-7	F+	12
1,4-Dioxacycloheptadecane-5,17-dione	0,1 - 1	105-95-3	203-347-8	Ν	51/53
alpha-Hexylcinnamaldehyde	0,1 - 1	101-86-0	202-983-3	Xi	43
d-Limonene	0,1 - 1	5989-27-5	227-813-5	Xi; N	10-38-43-50/53
Propane	0,1 - 1	74-98-6	200-827-9	F+	12
Citronellol	0,1 - 1	106-22-9	203-375-0	Xi; N	38-43-51/53
Citral	0,1 - 1	5392-40-5	226-394-6	Xi	38-43

Reference is made to chapter 16 for full text of each relevant R phrase. Occupational exposure limit(s), if relevant, are listed in section 8.

Substance name	Concentration	REACH nr.	Hazard Class	Pictograms	H-phrases
	(w/w) (%)				
Isobutane	50 - 75		Flam. Gas 1;	GHS02-GHS04	H220
			Press. Gas		
Ethanol	10 - 20	01-	Flam. Liq. 2	GHS02	H225
		2119457610-43			
Propan-2-ol	10 - 15	01-	Flam. Liq. 2;	GHS02-GHS07	H225-H319-H336
		2119457558-25	Eye Irrit. 2;		
			STOT SE 3		
Propyleneglycol	1 - 5				
Butane	0,1 - 1		Flam. Gas 1;	GHS02-	H220-H350-H340
			Press. Gas;	GHS04-GHS08	
			Carc. 1A; Muta.		
			1B		
1,4-Dioxacycloheptadecane-5,17-dione	0,1 - 1		Aquatic Chronic	GHS09	H411
			2		
alpha-Hexylcinnamaldehyde	0,1 - 1		Skin Sens. 1	GHS07	H317
d-Limonene	0,1 - 1		Flam. Liq. 3;	GHS02-	H226-H315-H317-H410
			Skin Irrit. 2;	GHS07-GHS09	
			Skin Sens. 1;		
			Aquatic Acute		
			1; Aquatic		
			Chronic 1		
Propane	0,1 - 1		Flam. Gas 1;	GHS02-GHS04	H220
			Press. Gas		
Citronellol	0,1 - 1			GHS07-GHS09	H317-H315-H411
Citral	0,1 - 1		Skin Irrit. 2;	GHS07	H315-H317
			Skin Sens. 1		

Reference is made to chapter 16 for full text of each relevant H phrase.

FIRST-AID MEASURES

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According to Regulation (EC) 1907/2006

Effects and symptoms	
Inhalation	: No specific effects and/or symptoms are known.
Skin contact	: May produce an allergic reaction. May cause dry skin and redness.
Eye contact	: May cause stinging of eyes and redness.
Ingestion	: Not applicable.
First aid measures	
Inhalation	: Not applicable under normal conditions of use. Consult a doctor if victim feels unwell.
Skin contact	: Take off contaminated clothing. Wash off skin with plenty of water and soap before product dries up. Consult a doctor if irritation occurs.
Eye contact	: Wash out with (lukewarm) water for at least 15 minutes. Remove contact lenses. Consult a doctor if irritation persists.
Ingestion	: Not applicable.

5 FIRE-FIGHTING MEASURES

Extinguishing media Suitable Not suitable	Carbondioxide (CO2). Alcohol resistant foam. Dry chemical. Water fog.Water jet.
Special exposure hazards	: Aerosol may explode from internal pressure build-up when exposed to temperatures exceeding 50 °C. Do not expose emergency personnel to overheated aerosol containers. Water may be used to cool container and prevent explosion of the aerosol.
Hazardous thermal decomposition products	: Carbon monoxide may be evolved if incomplete combustion occurs.
Special protective equipment for fire-fighters	: Fight a fire where aerosols are involved from a protected position. Use adequate respiratory equipment in case of insufficient ventilation.

ACCIDENTAL RELEASE MEASURES

Personal precautions	: Danger of slipping. Clean up spills immediately. Wear shoes with non-slip soles. Avoid contact with spilled or released material. See also section 8. Do not breathe vapours and/or spray. Keep away from sources of ignition — No smoking. Build up of highly flammable gasses involves an explosion risk. Vapours are heavier than air. Build up (of gasses) in low areas involves risk of suffocation.
Environmental precautions	: Avoid release of product into sewers, surface water and/or ground water. Waste product should not be allowed to contaminate soil or water.
Methods for cleaning up	: Collect spilled material in containers. Collect cans in an approved container. Do not pierce aerosols. Wash away remainder with plenty of water and soap.
Other information	: Notify authorities if any exposure to the general public or the environment occurs or is likely to occur.

HANDLING AND STORAGE

Handling	: Handle in accordance with good occupational hygiene and safety practices in well-ventilated areas. Important: Pressurized container; protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Keep away from sources of ignition — No smoking. Do not spray on a naked flame or any incandescent material. Do not spray near fire, sources of heat or live electrical equipment. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding
Storage	 (earthing) all equipment. Do not breathe spray. Avoid contact with skin and eyes. Keep frost-free, in a cool (< 35°), dry and well-ventilated place. Protect from sunlight and keep away from
Storage	heat.
Recommended packaging	: Not applicable.
Use	: Use only as directed.

EXPOSURE CONTROLS/PERSONAL PROTECTION

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According to Regulation (EC) 1907/2006

- Engineering measures
- : Comply with standard precautionary measures for working with chemicals.
- Hygienic measures
- : When using do not eat, drink or smoke.

Occupational exposure limits : Occupational exposure limits have not been established for this product.

Workplace exposure limits (mg/m³):

Chemical name	Country	TWA 8 hour	STEL 15 min	Comments
Ethanol	GB	1920	-	-
Propan-2-ol	GB	999	1250	-
Propyleneglycol	GB	474	-	Total Vapour and Particulates
Butane	GB	1450	1810	-
d-Limonene		110	-	MAC: DE, CH, NL

Personal protective equipment:

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The efficiency of personal protective equipment depends among other things on temperature and degree of ventilation. Always get professional advice for the particular local situation.

Body protection	: Use of specific protective industrial clothing is not required under normal conditions of use. In case of large scale exposure wear suitable protective clothing, overalls or suit, and similar boots. Suitable material: nitril.
	Indication of permeation breakthrough time: not known.
Respiratory protection	: Take care of sufficient ventilation. Wear suitable respiratory protection in case of large scale exposure. Suitable: gas filter type A (brown), class I or higher on e.g. a facemask in accordance with EN 140.
Hand protection	: Under normal conditions of use specific gloves are not required. Wear special gloves in case of frequent or prolonged use and in case of large scale exposure. Suitable material: nitril. \pm 0,5 mm Indication of permeation breakthrough time: not known.
Eye protection	: Wear appropriate safety glasses when there is danger of possible eye contact.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Aerosol.	
Colour	: Colourless.	
Odour	: Perfumed.	
pH	: Not applicable.	Almost waterfree product.
Solubility in water	: Soluble.	
Partition coefficient	: Not known.	
(n-octanol/water)		
Flash point	: Not applicable.	Extremely flammable.
Auto ignition temperature	: > 245 °C	
Boiling point/boiling range	: Not applicable.	
Melting point/melting range	: Not known.	
Explosion limits (in air)	: Not known.	Lower explosion limit in air (%): 1,3 (Butane)
	:	Upper explosion limit in air (%): 19 (Ethanol)
Oxidising properties	: Not applicable.	Does not contain oxidizing substances.
Decomposition temperature	: Not applicable.	C C
Viscosity (20°C)	: Not known.	
Viscosity (40°C)	: Not known.	
Vapour pressure (20°C)	: Not known.	
Vapour density (20°C)	: Not known.	(air = 1)
Relative density (20°C)	: 0,645 g/ml	
Evaporation rate	: Not applicable.	(n-butyl acetate = 1)
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10 STABILITY AND REACTIVITY

Stability Conditions to avoid Materials to avoid	able under normal condi eep away from sources o ot applicable.	tions. f ignition and sources of heat. See section 7.
Hazardous decomposition	ot known.	
products Reactivity	o other hazardous reaction	ons known.

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11 TOXICOLOGICAL INFORMATION

No toxicological research ha	as been carried out on this product.
Inhalation	
Acute toxicity	: Calculated LC50: > 10 mg/l. Ingredients of unknown toxicity: 3 %. ATE: > 5 mg/l.
Corrosion/irritation	: May cause irritation to respiratory airways and coughing.
Mutagenicity	: Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.
Skin contact	
Acute toxicity	 Calculated LD50: > 5000 mg/kg.bw. Not classified due to lack of data. Ingredients of unknown toxicity: 58 %.
Corrosion/irritation	: Slight irritation possible. Prolonged contact may dry out and defat the skin.
Sensitisation	: May produce an allergic reaction.
Eye contact	
Corrosion/irritation	: Slight irritation possible.
Ingestion	
Acute toxicity	: Calculated LD50: > 2579 mg/kg.bw. Ingredients of unknown toxicity: 2 %. ATE: > 2000 mg/kg.bw. May cause hampered eyesight.
Corrosion/irritation	: May cause a feeling of sickness, vomiting and diarrhoea.
Carcinogenicity	: Does not contain carcinogenic substances. Not classified - based on available data, the classification criteria are not met.
Mutagenicity	: Does not contain mutagenic substances. Not classified - based on available data, the classification criteria are not met.

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Toxicological information:

Chemical name	Property		Test animal	Method
alpha-Hexylcinnamaldehyde	LD50 (oral)	2450 mg/kg	Rat	
	LD50 (dermal)	> 3000 mg/kg	Rabbit	
	Skin irritation	Moderately		
		irritant		
	Skin sensitisation	2,372 (ug/cm2)	Mouse	OECD 429
d-Limonene	LD50 (oral)	4400 mg/kg	Rat	
	LD50 (dermal)	> 2000 mg/kg	Rabbit	
	Skin irritation	Irritant.		
	Skin sensitisation	10,075 (ug/	Mouse	OECD 429
		cm2)		
Citronellol	LD50 (oral)	3450 mg/kg	Rat	
	LD50 (dermal)	2650 mg/kg	Rabbit	
	Skin sensitisation	10,875 (ug/	Mouse	OECD 429
		cm2)		
Citral	LD50 (oral)	4960 mg/kg	Rat	
	LD50 (dermal)	2250 mg/kg	Rabbit	
	Skin irritation	Severely irritant		
	Skin sensitisation	1,414 (ug/cm2)	Mouse	OECD 429
	NOAEL (oral)	833 mg/kg.d	Rat	

12 ECOLOGICAL INFORMATION

No ecotoxicological research has been carried out on this product.

- Ecotoxicity
- : Harmful to aquatic organisms. : Not applicable.

Mobility Persistence - degradability

- : May cause long-term adverse effects in the aquatic environment.
- Bioaccumulative potential Other information
- : No specific information known. : Not applicable.
- Product name Date of issue

According to Regulation (EC) 1907/2006

Ecological information:

Chemical name	Property		Test animal	Method
1,4-Dioxacycloheptadecane-5,17-dione	Log P(ow)	2,9		
d-Limonene	LC50 (fish)	0,72 mg/l	Pimephales promelas	OECD 203
	EC50 (waterflea)	0,36 mg/l	Daphnia magna	OECD 202
	Log P(ow)	4,2		
	Degradability	> 92		
Citronellol	LC50 (fish)	3,9 mg/l		
	EC50 (waterflea)	12,4 mg/l		
	IC50 (algea)	2,38 mg/l		
	Log P(ow)	3,1		

13 DISPOSAL CONSIDERATIONS

Product residues	: Recyclable metal container. Do not puncture or burn even after use. Do not dispose empty pack with regular household waste. Containers may be recycled. Treat product residues and non-empty pack as hazardous waste.
Additional warning	: Residues may cause an explosion hazard. Do not puncture, cut or weld uncleaned drums.
European waste catalogue	: Dispose hazardous waste in accordance with Directive 91/689/EEC under acknowledgement of a waste
	code according to Commission Decision 2000/532/EC to an official chemical waste depot.
Local legislation	: Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local
	regulations may be more stringent than regional or national requirements and must be complied with.

14 TRANSPORT INFORMATION

UN nr. Transport name	: UN 1950 : AEROSOLS
Transport name	. ALKOSOLS
ADR/RID (road / railway)	
Class	: 2
Classification code	: 5F
Packaging group	: -
Danger label	: 2,1
	2
IMDG (sea)	
Class	: 2
Packaging group	: -
EmS (fire / spill)	: F - D / S - U
Marine pollutant	: No
IATA (air)	
Class	: 2
Other information	: Country specific variations may apply.

15 REGULATORY INFORMATION

Community regulations

: Regulation (EC) No 1907/2006 (REACh), Regulation (EC) No 1272/2008 (CLP), 75/324/EEC (aerosols) and other regulations.

Product name Date of issue

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Additional labelling

Other information

: The packaging shall carry the text: Important: Pressurized container; protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition — No smoking. Keep out of the reach of children. Contains: alpha-Hexylcinnamaldehyde d-Limonene Citronellol Citral May produce an allergic reaction. In the UK it is recommended that all aerosols should be labelled on the back with the warning about the dangers of volatile solvent abuse. The label should contain the badge 'Solvent Abuse Can Kill Instantly' accompanied by the phrase 'Use only as directed'. Advised text according to "Arrêté du 24 mars 1993" (France): Do not spray near fire, sources of heat or live electrical equipment. Spray in short intervals and for short periods only. Ventilate well after use.



16 OTHER INFORMATION

The information in this safety data sheet is compiled in compliance with Regulation (EC) 1907/2006 dated 18 December 2006 and accurate to the best of our knowledge and experience at the date of issue specified. It is the user's obligation to use this product safely and to comply with all applicable laws and regulations concerning the use of the product. This safety data sheet complements the technical information sheets but does not replace them and offers no warranty with regard to product properties.

Users are also forewarned for any hazards involved when the product is used for other purposes than those for which it is designed.

Changed or new information with regard to the previous release is indicated with an asterisk (*).

Full text of R-phrases mentioned	in section 3:
R10	Flammable.
R11	Highly flammable.
R12	Extremely flammable.
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.
R67	Vapours may cause drowsiness and dizziness.
Full text of H-phrases mentioned	in section 3:
H220	Extremely flammable gas.
H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.
Number format :	"," used as decimal separator.

<u>History</u>

Date of first issue Date of second issue

: 01-09-2011

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Herewith all previous issues are expired.