# According to the Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830

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2.3

Other hazards: not known

Product name: SCENT REFILL FRAGRANCE STICKS AMPLE Page: 1/7

1.	<b>SECTION 1: IDENTIFICATION OF THE S</b>	SUBSTANCE/MIXTURE AND OF THE COMPANY/		
	UNDERTAKING			
1.1	Product identifier:			
	Name:	SCENT REFILL FRAGRANCE STICKS AMPLE		
	Registration number:	Not applied for the mixture		
1.2	Relevant identified uses of the mixture:	Perfumed lotion for air refreshing		
	Uses advised against:	not known		
1.3	Details of the supplier of the safety data shee	t: HUMDAKIN		
	The full address:	Estrupvej 1, DK - 8380 Trige, Denmark		
	Telephone:	+45 70 70 75 70		
	E-mail address for a competent person msds@czechaerosol.cz			
	responsible for the safety data sheet:			
1.4	Emergency telephone number:	+45 82 12 12 12 (continuously)		
	(information only for health risks – acute	Poison Information Center		
	intoxication of humans and animals)	Bispebjerg Hospital		
		Bispebjerg Bakke 23, 2400 Copenhagen, Denmark		

2.	SECTION 2: HAZARDS IDE	
2.1	Classification of the mixture at the Council as amended: Flam. Liq. cat. 2, H225 Skin. Sens. cat. 1, H317 Eye Irrit. cat. 2, H319	according to Regulation (EC) No 1272/2008 of the European Parliament and of
	Aquatic Chronic cat. 3, H412	
	The most important adverse eff - physical: The mixture is class - on the human health: The mix	
2.2	Label elements according to I amended:	Regulation (EC) No 1272/2008 of the European Parliament and of the Council as
	Hazard pictogram(s): Signal word(s):	Danger
	Hazard statement(s):	H225 Highly flammable liquid and vapour. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.
	Keep away from heat, hot surfato the environment. P302+P352 Rinse cautiously with water for	ed, have product container or label at hand. P102 Keep out of reach of children. P210 aces, sparks, open flames and other ignition sources. No smoking. P273 Avoid release 2 IF ON SKIN: Wash with plenty of water/soap. P305+P351+P338 IF IN EYES: eseveral minutes. Remove contact lenses, if present and easy to do. Continue rinsing. esists: Get medical advice/attention. P501 Dispose of contents/container to the
		ACTILE WARNINGS onents of the mixture: Contains: 4-tert-butylcyclohexyl acetate, Limonene, Linalyl Butylphenyl Methylpropional, Citronellol

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3.	SECTION 3: CO	MPOSITI	ON/INFORMAT	TION ON INC	GREDIENTS			
3.2	The mixture: SC	ILL FRAGRAN	Classification according to Regulation (EC) No 1272/2008 of					
	AMPLE contains these hazardous ingredients:				the European Parliament and of the Council			
Chem	nical name	Range of content %w/w	Reg. No	CAS EC	Hazard classes, Category codes *	H-phrases *	Specific concentration limit	M-factor
Ethan	ol	<75	01-2119457610-43	64-17-5 200-578-6	Flam.Liq.2 Eye Irrit.2	225 319	c ≥ 50%	-
Linaly	l acetate	<1	01-2119454789-19	115-95-7 204-116-4	Skin Irrit.2 Skin Sens.1 Eye Irrit.2	315 317 319	-	-
4-tert- acetate	butylcyclohexyl e	<1	01-2119976286-24	32210-23-4 250-954-9	Skin Sens.1	317	-	-
Limonene		<1	01-2119529223-47	5989-27-5 227-813-5	Flam. Liq. 3 Skin Irrit. 2 Skin Sens.1 Aquatic Acute 1 Aquatic Chronic 1	226 315 317 400 410	-	1 1
Benzy	'l acetate	<1	01-2119638272-42	140-11-4 205-399-7	Aquatic Chronic 3	412	-	-
Citronellol		<1	01-2119453995-23	106-22-9 203-375-0	Skin Irrit.2 Skin Sens.1 Eye Irrit.2	315 317 319	-	-
Heliot	ropine (Piperonal)	<1	01-2119983608-21	120-57-0 204-409-7	Skin Sens.1	317	-	-
Linalool		<1	01-2119474016-42	78-70-6 201-134-4	Skin Irrit.2 Skin Sens.1 Eye Irrit.2	315 317 319	-	-
2-phe	nylethanol	<1	01-2119963921-31	60-12-8 200-456-2	Acute Tox. 4 Eye Irrit.2	302 319	-	-
Dimethyl-4-isoheptenal dimethyl acetal		<1	-	67674-46-8 266-885-2	Skin Irrit.2 Eye Irrit.2 Aquatic Chronic 3	315 319 412	-	-
2,6-dimethyloct-7-en-2-ol		<1	01-2119457274-37	18479-58-8 242-362-4	Skin Irrit.2 Eye Irrit.2	315 319	-	-
Butylphenyl Methylpropional		<1	01-2119485965-18	80-54-6 201-289-8	Acute Tox.4 Skin Irrit. 2 Skin Sens.1 Repr. 2 Aquatic Chronic 2	302 315 317 361 411	-	-

Notes: \* For the full wording of H-phrases, Hazard classes and Category codes see section 16. Exposure limit values are listed in the section 8 if established.

# 4. SECTION 4: FIRST AID MEASURES

# 4.1 **Description of first aid measures:**

Inhalation: Remove to fresh air.

Skin contact: Take off contaminated clothes. Wash skin with water and soap.

Eyes contact: Flush with plenty of pure water. In case of persistent inflammation, take the advice of ophthalmologist. Ingestion: **Do not induce vomiting!** Obtain medical attention, show him the packaging of product.

- 4.2 **Most important symptoms and effects, both acute and delayed:** Eyes contact: eye irritation. Skin contact: skin sensitisation.
- 4.3 **Indication of any immediate medical attention and special treatment needed:** Immediate medical attention is required only in case of ingestion of a big amount of the mixture.

5.	SECTION 5: FIREFIGHTING MEASURES
5.1	Extinguishing media: foam, dry chemical, carbon dioxide, water mist
	Unsuitable extinguishing media: water jet
5.2	Special hazards arising from the substance or mixture: In fire can emit toxic fumes.
5.3	Advice for firefighters: Wear a self-contained respirator and protective clothing. Avoid rejection of extinguishing
	water in the environment.

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6.	SECTION 6: ACCIDENTAL RELEASE MEASURES
6.1	Personal precautions, protective equipment and emergency procedures:
6.1.1	For non-emergency personnel: No smoking. Eliminate sources of ignition. Provide good ventilation.
6.1.2	a) use suitable protective aids (see section 8).
	For emergency responders: No smoking. Eliminate sources of ignition. Provide good ventilation.
	a) use suitable protective aids (see section 8).
6.2	<b>Environmental precautions:</b> Prevent from spreading or entering into ground, drains, ditches or rivers.
6.3	Methods and material for containment and cleaning up: Spilled content impound and absorb on inert powdered
	material (sand, cement, lime). Place in suitable container for recovery or destroying according to regional legislation.
6.4	<b>Reference to other sections:</b> Disposing of wastes see section 13.

7.	SECTION 7: HANDLING AND STORAGE
7.1	<b>Precautions for safe handling:</b> During handling avoid contact of mixture with your skin and eyes. Use only as
	directed. Dispose of unexpended product as a hazardous waste.
7.2	Conditions for safe storage, including any incompatibilities: Keep at temperatures 0°C to 30°C in dry rooms.
	Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No
	smoking.
7.3	Specific end use(s): not relevant

8.	SECTION 8: EXPO	SURE CONTROLS/PI	ERSONAL	PROTECT	ION		
8.1	Control parameters:						
	National (Danish) occupational exposure limit values:						
	Name of substance	CAS	TWA / 8 he	ours	STEL / short time		Notes
			mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	
	Ethanol	64-17-5	1900	1000	3800	2000	-
		es according to Commi	ssion Directi	ves 2000/3	9/EC, 2006/1	15/EC, 200	9/161/EU and
	2017/164/EU: not est						
	Name of substance	CAS	TWA / 8 l	nours	STEL / sho	ort time	Notes
			mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	
	-	-	-	-	-	-	-
		es: not prescribed for t					
		lues of substances in tl	he mixture (	MSDS of su	upplier, Infor	mation fro	m the ECHA):
	Ethanol						
	DNEL:				2		
		exposure - systemic effe					
		term exposure - local ef					
		exposure - systemic effective					
	General Population: Long term exposure - systemic effects, Inhalation route: 114 mg/m <sup>3</sup>						
	General Population: Acute/short term exposure - local effects, Inhalation route: 950 mg/m <sup>3</sup> General Population: Long term exposure - systemic effects, Dermal route: 206 mg/kg bw/day						
					7		
	General Population: Long term exposure - systemic effects, Oral route: 87 mg/kg bw/day						
	PNEC:	ganisms: Aqua (freshwa	tam), 0.06 mg	x/1 A auto (ma	amima rriatan)	0.70 ma/1	A ana (intermittant
		STP: 580 mg/l, Sedimen					
	mg/kg sediment dw	orr. 500 mg/i, seuimen	i (iiesiiwatei	). 5.0 mg/kg	g sediment av	w, Sedimen	it (marme water). 2.9
		organisms: Soil: 0.63 m	g/kg soil dw				
		Secondary poisoning, C			g food		
8.2	Exposure controls:	becondary poisoning, c	rai route. o	.50 0.72 g/K	<u> </u>		
8.2.1	_	ering controls: are not n	ecessary for	nonprofessi	ional applica	tion.	
8.2.2		n measures, such as pe					
		and respiratory prote				ation none	when used as directed.
		None when used as direc		_ 1	11		
8.2.3	Environmental expo	sure controls: Prevent	release to th	e environme	ent.		

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9.	SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES			
9.1	Information on basic physical and chemical properties:			
	Appearance: Physical state (at 20°C): liquid			
		Colour: pale yellow		
	Odour:	By used perfume		
	Odour threshold:	Not relevant for this mixture		
	pH (1% in water):	6-7		
	Melting point/freezing point:	Not available		
	Initial boiling point and boiling range:	ca 80°C		
	Flash point:	22°C		
	Evaporation rate (ethanol):	6.3  (ether = 1)		
	Flammability:	Highly flammable		
	Flammability limits (ethanol):	upper (%v/v): 19; lower (%v/v): 3.3		
	Vapour pressure at 20°C (ethanol):	5.8 kPa		
	Vapour density (air=1):	Not available		
	Relative density 20°C:	860-880		
	Solubility(ies):	In water: partially soluble, in fats (oil): partially soluble		
	Partition coefficient: n-octanol/water:	Log P (o/w) = $-0.3$ (Ethanol at 25°C and pH 7)		
	Auto-ignition temperature (ethanol):	$363-426^{\circ}$ C		
	Decomposition temperature:	Not available		
	Viscosity:	Not available		
	Explosive properties:	Not relevant for this mixture		
	Oxidising properties:	Not relevant for this mixture		
9.2	Other information:	Temperature Class (ethanol): T 2, explosion group: II B, calorific value: 24.8 MJ/kg		

10.	SECTION 10: STABILITY AND REACTIVITY
10.1	Reactivity: no known reactions
10.2	Chemical stability: the mixture is stable under normal ambient and anticipated storage
10.3	Possibility of hazardous reactions: not known
10.4	Conditions to avoid: even short-time temperatures above 30°C
10.5	Incompatible materials: strong corrosive and oxidizing materials, alkali metals
10.6	Hazardous decomposition products: during thermal decomposition can be produced carbon oxides and nitrogen
	oxides

1.	SECTION 11: TOXICOLOGICAL INFORMATION		
1.1	Information on toxicological effects: not determined for the mixture		
	Toxicological effects of the main <u>Ethanol</u>		
	substances:	(Information from the ECHA)	
	a) acute toxicity:		
	- LD <sub>50</sub> oral, rat (mg/kg):	7060	
	- LD <sub>50</sub> dermal, rabbit (mg/kg):	17100	
	- LC <sub>50</sub> inhalation, rat (mg/L):	53 (6h)	
	b) skin corrosion/irritation:	Is not corrosive/Slightly irritating	
		to skin	
	c) serious eye damage/irritation:	Does not causes serious eye	
		damage/Irritating to eyes	
	d) respiratory or skin sensitisation:	Is not sensitizing for respiratory	
		or skin	
	e) germ cell mutagenicity:	{based on available data, the	
	f) carcinogenicity:	classification criteria are not met	
	g) reproductive toxicity:	{based on available data, the	
	h) STOT-single exposure:	classification criteria are not met	
	i) STOT-repeated exposure:	{based on available data, the	
	j) aspiration hazard:	classification criteria are not met	
.1.5	Information on likely routes of expo	sure: skin, eyes, ingestion	

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11.1.6	Symptoms related to the physical, chemical and toxicological characteristics:
	- skin (long-term exposition): drying, slightly irritating to skin, can cause skin sensitisation and skin dryness
	- eyes: irritating to eyes
	- ingestion (big amount): nausea, vomiting
11.1.7	Delayed and immediate effects as well as chronic effects from short and long-term exposure: Not observed
11.1.8	Interactive effects: Not observed
11.1.9 11.1.10	Absence of specific data: Not available
11.1.10	Mixtures: The mixture has not been tested for its health effects as a whole.
11.1.11	Mixture versus substance information: At the mixture are not expected worse effects on health than at single
11.1.12	substances
11.1.12	Other information: None

12.	SECTION 12: ECOLOGICAL INFORMATION
12.1	<b>Toxicity:</b> acute toxicity for aquatic organisms: not determined for the mixture, for the main substance Information
	from the ECHA:
	LC <sub>50</sub> 96h,fish (mg/L): 13000 (Ethanol)
	$EC_{50}48h$ ,daphnia (mg/L): $> 10000$ (Ethanol)
	EC <sub>50</sub> 72h,algae (mg/L): 275 (Ethanol)
	- NOEC,24d,fish (mg/L): > 1 (Ethanol)
	- NOEC,21d,daphnia (mg/L): > 10 (Ethanol)
	Effects on activated sludge bacteria: not observed
12.2	Persistence and degradability:
	Persistence: The solvent (ethanol) is quickly degradable through biodegradation and photochemical oxidation.
	The potential of substances in a mixture to degrade in sewage treatment plants: Not determined.
	Degradability: No data available
12.3	<b>Bioaccumulative potential:</b> Not supposed significant bioaccumulative potential regarding to low Log $P_{(o/w)}$ value
12.4	Mobility in soil: No data available
12.5	<b>Results of PBT and vPvB assessment:</b> based on actual information, ingredients of the mixture are not PBT/vPvB
12.6	Other adverse effects: Not observed

13.	SECTION 13: DISPOSAL CONSIDERATIONS			
13.1	Waste treatment methods:			
	Specification of packaging: glass, paper, cardboard			
	Suitable methods for disposal of the mixture and packaging: dispose in a hazardous wastes collection point or har			
	over to the authorized person. Dispose in accordance with applicable laws and regulations for waste disposal. A			
	packaging contaminated by a dangerous content is considered to be a dangerous waste (catalogue Nr. 150110*).			
	Physical/chemical properties that may affect waste treatment options: the mixture is highly flammable			
	Sewage disposal: not allowed			
	Special precautions for recommended waste treatment options (only for disposal of a big amount of the mixture):			
	Regarding to the flammability of the mixture is necessary to dispose it in a well-ventilated area away from sources of			
	ignition. No smoking.			
	Directive 2008/98/EC of the European Parliament and of the Council with all amendments.			

14.	SECTION 14: TRANSPORT INFORMATION			
	Special precautions: none			
	Transport classification:			
	ADR/RID:	ICAO/IATA:	IMDG:	
14.1	UN number: 1170	UN number: 1170	UN number: 1170	
14.2	UN proper shipping name:	UN proper shipping name:	UN proper shipping name:	
	ETHANOL, SOLUTION	ETHANOL, SOLUTION	ETHANOL, SOLUTION	
14.3	Transport hazard class(es): 3	Transport hazard class(es): 3	Transport hazard class(es): 3	
	Classification code: F1	Labels: Flamm.Liq.	Subsidiary risk: no	
14.4	Packing group: II	Packing group: II	Packing group: II	
	Limited quantity: 1 L	LQ: 1 L	Limited quantity: 1 L	
	Tunnel restriction code: D/E		-	

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14.5 **Environmental hazards:** Marine pollutant: no they are not EMS: F-E, S-D

14.6 **Special precautions for user:** none

14.7 **Transport in bulk according to Annex II of Marpol and the IBC Code:** The product is not intended to be carried in bulk according to the following IMO instruments: Annex II of Marpol and the IBC Code.

15. SECTION 15: REGULATORY INFORMATION
 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

 Regulation (EC) No 1907/2006 of the European Parliament and of the Council (REACH) with all amendments.
 Regulation (EC) No 1272/2008 of the European Parliament and of the Council with all amendments.

 15.2 Chemical safety assessment: A chemical safety assessment has not been carried out for this mixture by the supplier.

#### 16. SECTION 16: OTHER INFORMATION

16.1 List of relevant H-phrases, Hazard classes and Category codes listed in the section 3:

H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H361 Suspected of damaging fertility or the unborn child. H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.

Flam. Liq. 2 - Flammable liquids, Hazard Category 2

Flam. Liq. 3 - Flammable liquids, Hazard Category 3

Acute Tox. 4 - Acute toxicity (oral), Hazard Category 4

Skin Irrit. 2 - Skin irritation, Hazard Category 2

Skin Sens. 1 - Sensitisation - Skin, hazard category 1

Eye Irrit. 2 - Serious eye irritation, Hazard Category 2

Repr. 2 - Reproductive toxicity, Hazard Category 2

Aquatic Acute 1 - Hazardous to the aquatic environment - Acute Hazard, Category 1

Aquatic Chronic 1 - Hazardous to the aquatic environment - Chronic Hazard, Category 1

Aquatic Chronic 2 - Hazardous to the aquatic environment - Chronic Hazard, Category 2

Aquatic Chronic 3 - Hazardous to the aquatic environment - Chronic Hazard, Category3

# 16.2 Instructions for training:

Persons who handle the product shall be instructed about the handling hazards and requirements for the health and environment precaution (see the appropriate provisions of the Labour Code).

Access to information:

Each employer shall in accordance with Article 35 of the Regulation (EC) No 1907/2006 of the European Parliament and of the Council provide access to information from the safety data sheet to all personnel who use this product or are exposed to its effects at work, as well as to their representatives.

Classification of the mixture was carried out by using the calculation method according to Regulation (EC) No 1272/2008 of the European Parliament and of the Council as amended.

The information provided in this safety data sheet is supplied in good faith and is accurate at the date of its publication. The information will be updated as and when appropriate. It is not a specification of product nor does it list its uses, for which the label on the packaging should be carefully studied. In compiling the safety data sheet due account has been taken of all proper and recommended applications of the product of which we are aware and any user must consult us before applying it to any novel or unusual use. The company accepts no responsibility unless the product is used as recommended.

Sources for compilation of SDS: SDS of ingredients of the mixture, ECHA databases, information on substances IUCLID Datasets

# 16.3 List of used abbreviations:

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

ECHA: European Chemicals Agency

EMS: Environmental Management System

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization: Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG: International Maritime Dangerous Goods

IUCLID: International Uniform Chemical Information Database

DNEL: Derived No-Effect Level

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 $EC_{50}\!\!:$  Effective Concentration for inhibiting 50% of the tested organisms  $EL_{50}\!\!:$  Effective Loading for inhibiting 50% of the tested organisms

IC<sub>50</sub>: Inhibitory Concentration for 50% of tested organisms LC<sub>50</sub>: Lethal Concentration for 50% of tested organisms

LD<sub>50</sub>: Lethal Dose for 50% of tested organisms

 $LL_{50}$ : Lethal Loading for 50% of tested organisms

LQ: Limited Quantity

NOEC: No Observed Effect Concentration

NOEL: No Observed Effect Level

NOELR: No Observed Effect Loading Rate

NPK-P: Maximal Permissible Concentration in Working Climate

PEL: Permissible Exposure Limit

PNEC: Predicted No Effect Concentration

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit TWA: Time-Weighted Average

16.4 Changes to the previous version of the SDS: none

Changes in the revision of the safety data sheet are distinguished by italics.