

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH) & 1272/2008 (CLP)

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier	
Product Name	KLEEN-WAVE SEA BREEZE METERED AIR FRESHENER 265ml
Product Code(s)	
1.2 Relevant identified uses of the substance or mixture and uses advised against	1179
Identified use(s)	Washroom air freshener. Product is for professional use only Must not be used by persons under the age of 18, except when adult supervision is available.
Uses advised against	None
1.3 Details of the supplier of the Safety Data Sheet	
Company Identification	Unicorn Hygenics Ltd 5 Ferguson Drive Knockmore Hill Industrial Park Lisburn BT28 2EX United Kingdom +44 (0) 845 217 2939
Telephone	
E-Mail (competent person)	sales@contico.ie
1.4 Emergency telephone number	
Emergency Phone No.	01-4111509 / 01-4111515

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
2.1.1 Classification (EC 1272/2008)	
Physical and Chemical Hazards	Press Gas – H280, Flam. Aerosol 1 –H222
Human Health	Not classified
Environment	Aquatic Chronic 3 –H412,
2.2 Label elements	
2.2.1 Label elements	
Contains	According to Regulation (EC) No. 1272/2008 (CLP) Isobutene Butane Propane
Signal word(s)	Danger
Hazard statement(s)	H222 Extremely flammable aerosol. H280 Contains gas under pressure; may explode if heated. H412 Harmful to aquatic life with long lasting effects.



Precautionary statement(s)

P210 Keep away from heat/ sparks/open flames/hot surfaces
-No Smoking.
P211 Do not spray on an open flame or other ignition
source.
P251 Pressurized container: Do not pierce or burn, even
after use.
P410 + P412 Protect from sunlight. Do not expose to
temperatures exceeding 50 oC/122oF.
P273 Avoid release to the environment.
P261 Avoid breathing dust/fume/ gas/mist/vapours/spray.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous ingredient(s)	%W/W	Cas No.	EC No.
butane	CAS-No.: 106-97-8 EC No.: 203-448-7	Flam. Gas 1 - H220	30-60%
isobutane	CAS-No.: 75-28-5 EC No.: 200-857-2	Flam. Gas 1 - H220, Press. Gas - H280	10-30%
propane	CAS-No.: 74-98-6 EC No.: 200-827-9	Flam. Gas 1 - H220	10-30%
(2-methoxymethylethoxy)propanol	CAS-No.: 34590-94-8 EC No.: 252-104-2		0-1%
2,6-dimethyloct-7-en-2-ol	CAS-No.: 18479-58-8 EC No.: 242-362-4	Skin Irrit.2 - H315, Eye Irrit.2A - H319	0-1%
(R)-p-mentha-1,8-diene d-limonene	CAS-No.: 5989-27-5 EC No.: 227-813-5	Flam. Liq 3- H226, Skin Irrit.2 - H315, Skin. Sens 1 - H317, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410	0-1%
toluene	CAS-No.: 108-88-3 EC No.: 203-625-9	Flam. Liq 2- H225, Asp. Tox - H304, Skin Irrit.2 - H315, STOT SE 3 - H336, Repr. 2 - H361d, STOT RE 2 - H373	0-1%
allyl heptanoate	CAS-No.: 142-19-8 EC No.: 205-527-1	Acute Tox 3 - H301, Acute Tox 3 - H311, Acute Tox 3 - H331, Aquatic Acute 1 - H400, Aquatic Chronic 3 - H412	0-1%

The Full Text for all Hazard Statements are Displayed in Section 16.

Composition Comments The data shown are in accordance with the latest EC Directives.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General Information

Provide general first aid, rest, warmth and fresh air. AS a general rule, in case of doubt or if symptoms persist, always call a doctor. Seek medical attention for all burns and eye injuries, regardless how minor they may seem. First aid personnel must be aware of own risk during rescue.



Inhalation	If this product is inhaled and symptoms occur, move the exposed person to fresh air promptly. Seek medical attention if symptoms persist. If breathing has stopped or the exposed person experiences difficulty in breathing, administer artificial respiration and seek immediate medical assistance.
Ingestion	Ingestion is not believed to be a likely route of exposure. If this product is ingested, immediately rinse mouth and drink plenty of water. If person becomes uncomfortable or if ingested in large amounts seek medical advice and bring these instructions. Never give anything by mouth to an unconscious person.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with water. Get medical attention promptly if symptoms occur after washing.
Eye contact	If this product contacts the eyes, gently flush eyes with water for at least fifteen (15) minutes, lifting the upper and lower eyelids occasionally. Remove contact lenses if worn. Seek medical attention if irritation persists.

4.2 Most important symptoms and effects, both acute and delayed

General Information

Inhalation

Ingestion

Skin contact

Eye contact

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

May cause respiratory tract irritation.

No specific symptoms noted – ingestion is not believed to be a likely route of exposure.

Skin contact may cause an allergic skin reaction.

May cause eye irritation.

4.3 Indication of immediate medical attention and special treatment needed

Notes to the physician

No recommendation given, but first aid may be still required in case of accidental exposure, inhalation or ingestion of this chemical. Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing Media

Extinguishing Media

Unsuitable Extinguishing Media

All known extinguishants can be used.

Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

Unusual Fire & Explosion Hazards

Burning produces obnoxious and toxic fumes. Incomplete combustion may form carbon monoxide.

FLAMMABLE. Exposure to fire may cause containers to rupture/explode. Do not allow to enter drains, sewers, basements and workpits, or any place where its accumulation can be dangerous.

Specific Hazards

Aerosols containers can explode when heated, due to



excessive pressure build-up. The product is a pressurized aerosol container, at elevated temperature the container may vent/ rupture/ burst and become flying debris. Vapours may be ignited by a spark, a hot surface or an ember. When heated and in case of fire, harmful vapours/ gases may be formed.

5.3 Advice for fire-fighters

Special Fire Fighting Procedures

Avoid breathing fire vapours. Keep up-wind to avoid fumes. Fight advanced or massive fires from safe distance or protected location. If possible, fight fire from protected position. Be aware of danger of explosion.

Protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Do not smoke, eat or drink while using this product. Eliminate all sources of ignition. Wash hands after use. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Follow safe handling advice recommendations for normal use of product, precautions described in this safety data sheet and manufacturer's recommendations. If necessary evacuate surrounding areas. Do not wear contact lenses while using this product. Do not mix with other chemicals. Pressurised container: Do not pierce or burn, even after use. DO NOT use equipment in clean-up procedure which may produce sparks. Eliminate all sources of ignition, ventilate area, evacuate personnel.

6.2 Environmental precautions

Environmental precautions

Avoid release to the environment. Do not discharge into drains, water courses or onto the ground.

Spill Clean Up Methods

Ventilate area. Keep area evacuated and free from ignition sources until product has evaporated.

6.3 Reference to other sections

Section 1 for emergency contact. Section 8 for information on appropriate personal protective equipment. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

7.1 Handling

Pressurised container. Do not pierce or burn, even after use. Ensure adequate ventilation. Wear suitable protective equipment. Refer to section 5 for the fire-fighting; section 4 for first-aid advice, and section 8 for minimum requirements for personal protective equipment. Avoid contact with skin and eyes. Avoid inhalation of vapours. Read and follow manufacturer's recommendations. Do not mix with other chemicals.

7.2 Storage

Storage Precautions

Keep containers tightly closed. Keep in original container. Keep away from heat, sparks and open flame. Protect from sunlight. Do not expose to temperatures exceeding 50 C. Keep out of the reach of children.

Storage Class

Store below 50 C in a well ventilated place. Storage life 2 years.

7.3 Specific end use(s)
 Specific End Use(s)
 Usage Description

The identified uses for this product are detailed in Section 1.
 Use only according to directions. For use in washrooms only.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure limit values

Component	STD	TWA (8 Hrs)		STEL (15mins)		Notes
butane	WEL	600ppm	1450mg/m ³	750ppm	1810 mg/m ³	
(2-methoxymethyl ethoxy)propanol	WEL	50ppm	308mg/m ³			
toluene	WEL	50ppm	191mg/m ³	100ppm	384 mg/m ³	

8.2 Ingredient Comments
Exposure controls
 Protective equipment

WEL



Engineering Measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

Respiratory equipment

Not applicable in normal conditions of use. In case of insufficient ventilation, with the risk of exceeding the Occupational Exposure Limits, wear suitable, NIOSH approved respirator.

Hand Protection

Where hand contact with the product may occur use gloves approved to relevant standards (e.g. Europe: EN 374)

Eye Protection

If eye contact is likely to occur, the use of chemical goggles is recommended. Eye protection equipment should be tested and approved according to regulations applicable, like NIOSH (US) or EN 166 (EU).

Other Protection
 Hygiene Measures

Wear appropriate clothing to prevent skin contact. Handle in accordance with good industrial hygiene and safety practice. DO NOT SMOKE! Wash hands after use. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Process conditions

Use only according to directions.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 General Information

Appearance	Aerosol, compressed gas
Colour	Colourless
Odour	Fragrant
Odour Threshold (ppm)	No data available
pH (Value)	No data available
Melting Point (°C) / Freezing Point (°C)	No data available
Boiling point/boiling range (°C):	- 11°C
Flash Point (°C)	No data available



Evaporation rate (Butyl Acetate = 1)	No data available
Flammability (solid, gas)	No data available
Explosive limit ranges.	No data available
Vapour Pressure (mm Hg)	2.73 mm Hg 0.00
Vapour Density (Air=1)	No data available
Density (g/ml)	1.91 g/cm ³ @ 0.0
Solubility (Water)	No data available
Solubility (Other)	No data available
Partition Coefficient (n-Octanol/water)	No data available
Auto Ignition Temperature (°C)	No data available
Decomposition Temperature (°C)	No data available
Viscosity (mPa.s)	No data available
Explosive properties	No data available
Oxidising properties	No data available
9.2 Important health, safety and environmental information	
Molecular Weight	No information available
Volatile Organic Compound	No information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions
10.2 Chemical stability	Stable under normal temperature conditions and recommended use.
10.3 Possibility of hazardous reactions	Hazardous reactions may occur in contact with oxidizing agents and combustible materials.
10.4 Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources.
10.5 Materials to avoid	Avoid oxidising agents.
10.6 Hazardous Decomposition Product(s)	Thermal decomposition or combustion may liberate carbon and other harmful gases or vapors.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
Toxicological Information	No toxicological information for the overall finished product
Acute toxicity (Oral LD50)	No Information available
Acute toxicity (Dermal LD50)	No Information available
Acute toxicity (Inhalation LD50)	No Information available
Serious Eye Damage/Irritation	Product is not classified as an eye irritant
Skin Corrosion/Irritation	No Information available
Respiratory Sensitisation	No Information available
Skin Sensitisation	No Information available
Germ Cell Mutagenicity:	
Genotoxicity – In Vitro	
Genotoxicity – In Vitro	
Carcinogenicity	No Information available
Specific Target Organ Toxicity – Single Exposure	
STOT-Single Exposure	
Specific Target Organ Toxicity – Repeated Exposure:	No Information available
STOT – Repeated Exposure	No Information available

Inhalation	May cause respiratory tract irritation.
Ingestion	No specific symptoms noted – ingestion is not believed to be a likely route of exposure.
Skin contact	May cause an allergic skin reaction
Eye contact	May cause eye irritation
Waste management	When handling waste, consideration should be made to the safety precautions applying to handling of the product. Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. Empty containers retain residue (liquid and/or vapour) and can be dangerous. Do not burn.
Routes of entry	Inhalation
Target Organs	No target organs specified.
Aspiration Hazards:	No Information available
Reproductive Toxicity	No Information available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Ecotoxicity	The product contains a substance which is harmful to aquatic life with long lasting effect.
12.2 Persistence and degradability	
Degradability	The degradability of this product has not been stated.
Biological Oxygen Demand	No Information available.
Chemical Oxygen Demand	No Information available.
12.3 Bioaccumulative Potential	
Bioaccumulative Potential	No data available on bioaccumulation.
Bioaccumulation Factor	
Partition coefficient, n-octanol/water	No information available.
12.4 Mobility	No information available.
12.5 Results of PBT and VPVB assessment	No information available.
12.6 Other adverse effects	None Known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste Management	When handling waste, consideration should be made to the safety precautions applying to handling of the product. Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8. Empty containers retain residue (liquid and/ or vapour) and can be dangerous. Do not burn.
13.2 Disposal Methods	Dispose of waste and residues in accordance with local authority requirements, and in accordance with the European Directives on waste and hazardous waste. Waste must be classified and labelled prior to recycling or disposal. According to the European Waste Catalogue, Waste Codes are not product specific, but application for which the product was used.

SECTION 14: TRANSPORT INFORMATION

Transport labels



14.1 UN number	UN1950
UN No. (ADR)	UN1950
UN No. (IMDG)	UN1950
UN No. (IATA)	
14.2 UN Proper Shipping Name	
ADR Proper Shipping Name	AEROSOLS, flammable
IMDG Proper Shipping Name	AEROSOLS
IATA Proper Shipping Name	Aerosols, flammable
14.3 Transport hazard class(es)	
ADR Class	2.1
IMDG Class	2+ - See SP63
IATA Class	2.1
14.4 Packing Group	
ADR/RID/ADN Packing Group	<none>
IMDG Packing Group	<none>
IATA Packing Group	<none>
14.5 Environmentally Hazardous Substamnce/Marine Pollutant	
ADRUN number	No
IMDG	No
IATA	No
14.6 Special Precautions for User	
EMS	F-D, S-U
Emergency Action Code	A145 A153
Hazard No. (ADR)	<none>
Tunnel restriction code	(D)
14.7 Transport in Bulk According to Annex II of MARPOL73/78 and the IBC Code	
Not applicable	

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
EU Legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 453/2010 of 20 th May 2010 amending regulation (EC) No 1907/2006.
Approved Code of Practice	Workplace Exposure Limits Guidance Note EH40/2005
Chemical Safety Assessment	No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

General Information	This safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010.
Revision Comments	This is a first issue
Revision Date	11/03/2016
Revision	1
Safety Data Sheet Status	Approved.

Hazard Statements In Full

H220: Extremely flammable gas.
H280: Contains gas under pressure; may explode if heated.
H315: Causes skin irritation.
H319: Causes serious eye irritation
H411: Toxic to aquatic life with long lasting effects.
H226: Flammable liquid and vapour.
H317: May cause an allergic skin reaction.
H400: Very toxic to aquatic life
H410: Very toxic to aquatic life with long lasting effects.
H412: Harmful to aquatic life with long lasting effects.
H301: Toxic if swallowed
H311: Toxic in contact with skin.
H331: Toxic if inhaled.
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H225: Highly flammable liquid and vapour.
H336: May cause drowsiness or dizziness.
H361: Suspected of damaging fertility or the unborn child [*].
H373: May cause damage to organs [*] through prolonged or repeated exposure [*].
H222: Extremely flammable aerosol.

Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.