Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (1907/2006), as amended for GB.

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

1.1. Product identifier
Air Re-Fresher Odor Eliminator (Whole Car) Black Chrome Scent G1813 [G181302]

Product Identification Numbers
14-1001-2070-9 14-1001-5558-0

7012131360 7100315545

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

Identified uses
Automotive.

1.3. Details of the supplier of the safety data sheet

Address:	Meguiars United Kingdom Limited, 3 Lamport Court, Heartlands, Daventry, Northants, NN11 8UF
Telephone:	+44 (0)870 241 6696
E Mail:	info@meguiars.co.uk
Website:	www.meguiars.co.uk

1.4. Emergency telephone number
+44 (0)870 241 6696

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture
The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

The health and environmental classifications of this material have been derived using the calculation method, except in cases where test data are available or the physical form impacts classification. Classification(s) based on test data or physical form are noted below, if applicable.

CLASSIFICATION:
Aerosol, Category 1 - Aerosol 1; H222, H229

For full text of H phrases, see Section 16.

2.2. Label elements
The retained CLP Regulation (EU) No 1272/2008 as amended for Great Britain

SIGNAL WORD
DANGER.

Symbols
GHS02 (Flame) |

Pictograms

HAZARD STATEMENTS:

H222	Extremely flammable aerosol.
H229	Pressurised container: may burst if heated.

PRECAUTIONARY STATEMENTS
General:

P102	Keep out of reach of children.

Prevention:

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.

Storage:

P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

SUPPLEMENTAL INFORMATION:

Supplemental Hazard Statements:

EUH208	Contains LINALYL ACETATE. | Hexylcinnamaldehyde. | 4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde. | linalool. May produce an allergic reaction.

2.3. Other hazards

None known.
This material does not contain any substances that are assessed to be a PBT or vPvB

SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable

3.2. Mixtures

Ingredient	Identifier(s)	%	Classification according to Regulation (EC) No. 1272/2008 [CLP], as amended for GB
Propene, 1,3,3,3,-tetrafluoro-,(E)-	(CAS-No.) 29118-24-9 (EC-No.) ELINCS 471-480-0	60 - 80	Substance not classified as hazardous
ethanol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6	10 - 30	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Hexylcinnamaldehyde	(CAS-No.) 101-86-0 (EC-No.) 202-983-3	< 0.3	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Acute 1, H400,M=1 Aquatic Chronic 2, H411
Fragrance Ingredient	(CAS-No.) 115-95-7 (EC-No.) 204-116-4	< 0.5	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
linalool	(CAS-No.) 78-70-6 (EC-No.) 201-134-4	< 0.5	Skin Sens. 1B, H317 Skin Irrit. 2, H315 Eye Irrit. 2, H319
4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde	(CAS-No.) 31906-04-4 (EC-No.) 250-863-4	< 0.05	Skin Sens. 1A, H317

Please see section 16 for the full text of any H statements referred to in this section

Specific Concentration Limits

Ingredient	Identifier(s)	Specific Concentration Limits
ethanol	(CAS-No.) 64-17-5 (EC-No.) 200-578-6	(C >= 50%) Eye Irrit. 2, H319
linalool	(CAS-No.) 78-70-6 (EC-No.) 201-134-4	(C >= 30%) Eye Irrit. 2, H319

For information on ingredient occupational exposure limits or PBT or vPvB status, see sections 8 and 12 of this SDS

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation
Remove person to fresh air. If you feel unwell, get medical attention.

Skin contact
If exposed, wash with soap and water. If signs/symptoms develop, get medical attention.

Eye contact
Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

If swallowed
Do not induce vomiting. Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed
No critical symptoms or effects. See Section 11.1, information on toxicological effects.

4.3. Indication of any immediate medical attention and special treatment required
Not applicable

SECTION 5: Fire-fighting measures

5.1. Extinguishing media
Use a fire fighting agent suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture
Closed containers exposed to heat from fire may build pressure and explode.

5.3. Advice for fire-fighters
Water may not effectively extinguish fire; however, it should be used to keep fire-exposed containers and surfaces cool and prevent explosive rupture. Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapours, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapours in the spill area to burn or explode. Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment.

6.2. Environmental precautions
For larger spills, cover drains and build dykes to prevent entry into sewer systems or bodies of water.

6.3. Methods and material for containment and cleaning up
Contain spill. Cover spill area with a fire extinguishing foam that is resistant to polar solvents. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible using non-sparking tools. Place in a metal container approved for transportation by appropriate authorities. Clean up residue with an appropriate solvent selected by a qualified and authorised person. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and Safety Data Sheet. Seal the container. Dispose of collected material as soon as possible.

6.4. Reference to other sections
Refer to Section 8 and Section 13 for more information

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Keep out of reach of children. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.)

7.2. Conditions for safe storage including any incompatibilities
Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50ºC/122ºF. Store away from heat. Store away from acids. Store away from oxidising agents.

7.3. Specific end use(s)
See information in Section 7.1 and 7.2 for handling and storage recommendations. See Section 8 for exposure controls and personal protection recommendations.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits
If a component is disclosed in section 3 but does not appear in the table below, an occupational exposure limit is not available for the component.

Ingredient	CAS Nbr	Agency	Limit type	Additional comments
ethanol	64-17-5	UK HSC	TWA:1920 mg/m³(1000 ppm)	

UK HSC : UK Health and Safety Commission
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
CEIL: Ceiling

Biological limit values
No biological limit values exist for any of the components listed in Section 3 of this safety data sheet.

8.2. Exposure controls

8.2.1. Engineering controls
Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below relevant Exposure Limits and/or control dust/fume/gas/mist/vapours/spray. If ventilation is not adequate, use respiratory protection equipment.

8.2.2. Personal protective equipment (PPE)

Eye/face protection

Select and use eye/face protection to prevent contact based on the results of an exposure assessment. The following eye/face protection(s) are recommended:
Full face shield.
Indirect vented goggles.

Applicable Norms/Standards
Use eye/face protection conforming to EN 166

Skin/hand protection
No chemical protective gloves are required.

Respiratory protection

An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure:
Half facepiece or full facepiece air-purifying respirator suitable for organic vapours

For questions about suitability for a specific application, consult with your respirator manufacturer.

Applicable Norms/Standards
Use a respirator conforming to EN 140 or EN 136: filter type A

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid.
Colour	Clear Colorless
Odor	Fresh Odor
Odour threshold	*No data available.*
Melting point/freezing point	*No data available.*
Boiling point/boiling range	-10.6 ºC
Flammability (solid, gas)	Not applicable.
Flammable Limits(LEL)	*No data available.*
Flammable Limits(UEL)	*No data available.*
Flash point	14.4 ºC
Autoignition temperature	*No data available.*
Decomposition temperature	*No data available.*
pH	
Kinematic Viscosity	*No data available.*
Water solubility	*No data available.*
Solubility- non-water	*No data available.*
Partition coefficient: n-octanol/water	*No data available.*
Vapour pressure	*No data available.*
Density	0.81 g/ml
Relative density	0.81
Relative Vapour Density	*No data available.*

9.2. Other information

9.2.2 Other safety characteristics

EU Volatile Organic Compounds	812 g/l [*Details:*(calculated per Directive 2004/42/EC)]
Evaporation rate	*No data available.*
Percent volatile	97.1 % weight [*Test Method:*Estimated]

SECTION 10: Stability and reactivity

10.1 Reactivity
This material may be reactive with certain agents under certain conditions - see the remaining headings in this section

10.2 Chemical stability
Stable.

10.3 Possibility of hazardous reactions
Hazardous polymerisation will not occur.

10.4 Conditions to avoid
Heat.

10.5 Incompatible materials
Strong acids.

10.6 Hazardous decomposition products

Substance	Condition

None known.

SECTION 11: Toxicological information

The information below may not agree with the material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 11 are based on UN GHS calculation rules and classifications derived from 3M assessments.

11.1. Information on hazard classes as defined in the retained CLP Regulation (EU) No 1272/2008, as amended for Great Britain.

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation
Respiratory tract irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Skin contact
Contact with the skin during product use is not expected to result in significant irritation.

Eye contact
Sprayed material may cause eye irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Ingestion
No known health effects.

Additional information:

This product contains ethanol. Alcoholic beverages and ethanol in alcoholic beverages have been classified by the International Agency for Research on Cancer as carcinogenic to humans. There are also data associating human consumption of alcoholic beverages with developmental toxicity and liver toxicity. Exposure to ethanol during the foreseeable use of this product is not expected to cause cancer, developmental toxicity, or liver toxicity.

Toxicological Data
If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Ingestion		No data available; calculated ATE >5,000 mg/kg
Propene, 1,3,3,3,-tetrafluoro-,(E)-	Inhalation-Gas (4 hours)	Rat	LC50 > 207,000 ppm
ethanol	Dermal	Rabbit	LD50 > 15,800 mg/kg
ethanol	Inhalation-Vapour (4 hours)	Rat	LC50 124.7 mg/l
ethanol	Ingestion	Rat	LD50 17,800 mg/kg
Fragrance Ingredient	Dermal	Rabbit	LD50 5,610 mg/kg
Fragrance Ingredient	Ingestion	Rat	LD50 > 9,000 mg/kg
linalool	Dermal	Rabbit	LD50 5,610 mg/kg
linalool	Ingestion	Rat	LD50 2,790 mg/kg
Hexylcinnamaldehyde	Ingestion	Rat	LD50 3,100 mg/kg
4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde	Dermal	Rabbit	LD50 > 5,000 mg/kg

4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde	Ingestion	Rat	LD50 > 5,000 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Propene, 1,3,3,3,-tetrafluoro-,(E)-	Rabbit	No significant irritation
ethanol	Rabbit	No significant irritation
Fragrance Ingredient	Rabbit	Irritant
linalool	Rabbit	Irritant
Hexylcinnamaldehyde	Rabbit	Irritant

Serious Eye Damage/Irritation

Name	Species	Value
ethanol	Rabbit	Severe irritant
Fragrance Ingredient	Rabbit	Severe irritant
linalool	Rabbit	Moderate irritant

Skin Sensitisation

Name	Species	Value
ethanol	Human	Not classified
Fragrance Ingredient	Mouse	Sensitising
linalool	Mouse	Sensitising
Hexylcinnamaldehyde	Multiple animal species	Sensitising
4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde	Human and animal	Sensitising

Respiratory Sensitisation

For the component/components, either no data is currently available or the data is not sufficient for classification.

Germ Cell Mutagenicity

Name	Route	Value
Propene, 1,3,3,3,-tetrafluoro-,(E)-	In Vitro	Not mutagenic
Propene, 1,3,3,3,-tetrafluoro-,(E)-	In vivo	Not mutagenic
ethanol	In Vitro	Some positive data exist, but the data are not sufficient for classification
ethanol	In vivo	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
ethanol	Ingestion	Multiple animal species	Some positive data exist, but the data are not sufficient for classification

Reproductive Toxicity

Reproductive and/or Developmental Effects

Name	Route	Value	Species	Test result	Exposure Duration
Propene, 1,3,3,3,-tetrafluoro-,(E)-	Inhalation	Not classified for female reproduction	Rat	NOAEL 20,000 ppm	2 generation
Propene, 1,3,3,3,-tetrafluoro-,(E)-	Inhalation	Not classified for male reproduction	Rat	NOAEL 20,000 ppm	2 generation

Propene, 1,3,3,3,-tetrafluoro-,(E)-	Inhalation	Not classified for development	Rat	NOAEL 15,000 ppm	during gestation
ethanol	Inhalation	Not classified for development	Rat	NOAEL 38 mg/l	during gestation
ethanol	Ingestion	Not classified for development	Rat	NOAEL 5,200 mg/kg/day	premating & during gestation

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
ethanol	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	Human	LOAEL 9.4 mg/l	not available
ethanol	Inhalation	central nervous system depression	Not classified	Human and animal	NOAEL not available	
ethanol	Ingestion	central nervous system depression	Not classified	Multiple animal species	NOAEL not available	
ethanol	Ingestion	kidney and/or bladder	Not classified	Dog	NOAEL 3,000 mg/kg	
Fragrance Ingredient	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL not available	
linalool	Inhalation	respiratory irritation	Some positive data exist, but the data are not sufficient for classification	similar health hazards	NOAEL not available	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
Propene, 1,3,3,3,-tetrafluoro-,(E)-	Inhalation	heart	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 5,000 ppm	91 days
Propene, 1,3,3,3,-tetrafluoro-,(E)-	Inhalation	hematopoietic system | skin | endocrine system | gastrointestinal tract | bone, teeth, nails, and/or hair | liver | immune system | muscles | nervous system | eyes | kidney and/or bladder | respiratory system | vascular system	Not classified	Rat	NOAEL 15,000 ppm	91 days
ethanol	Inhalation	liver	Some positive data exist, but the data are not sufficient for classification	Rabbit	LOAEL 124 mg/l	365 days
ethanol	Inhalation	hematopoietic system | immune system	Not classified	Rat	NOAEL 25 mg/l	14 days
ethanol	Ingestion	liver	Some positive data exist, but the data are not sufficient for classification	Rat	LOAEL 8,000 mg/kg/day	4 months
ethanol	Ingestion	kidney and/or bladder	Not classified	Dog	NOAEL 3,000 mg/kg/day	7 days

Aspiration Hazard

For the component/components, either no data is currently available or the data is not sufficient for classification.

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

11.2. Information on other hazards

This material does not contain any substances that are assessed to be an endocrine disruptor for human health.

SECTION 12: Ecological information

The information below may not agree with the material classification in Section 2 and/or the ingredient classifications in Section 3 if specific ingredient classifications are mandated by a competent authority. In addition, statements and data presented in Section 12 are based on UN GHS calculation rules and classifications derived from 3M assessments.

12.1. Toxicity

No product test data available.

Material	CAS #	Organism	Type	Exposure	Test endpoint	Test result
Propene, 1,3,3,3,-tetrafluoro-,(E)-	29118-24-9	Common Carp	Experimental	96 hours	LC50	>117 mg/l
Propene, 1,3,3,3,-tetrafluoro-,(E)-	29118-24-9	Green algae	Experimental	72 hours	EC50	>170 mg/l
Propene, 1,3,3,3,-tetrafluoro-,(E)-	29118-24-9	Water flea	Experimental	48 hours	EC50	>160 mg/l
Propene, 1,3,3,3,-tetrafluoro-,(E)-	29118-24-9	Green algae	Experimental	72 hours	EC10	>170 mg/l
ethanol	64-17-5	Fathead minnow	Experimental	96 hours	LC50	14,200 mg/l
ethanol	64-17-5	Fish	Experimental	96 hours	LC50	11,000 mg/l
ethanol	64-17-5	Green algae	Experimental	72 hours	EC50	275 mg/l
ethanol	64-17-5	Water flea	Experimental	48 hours	LC50	5,012 mg/l
ethanol	64-17-5	Green algae	Experimental	72 hours	ErC10	11.5 mg/l
ethanol	64-17-5	Water flea	Experimental	10 days	NOEC	9.6 mg/l
Hexylcinnamaldehyde	101-86-0	Green algae	Estimated	72 hours	EC50	>1.5 mg/l
Hexylcinnamaldehyde	101-86-0	Medaka	Estimated	96 hours	LC50	0.91 mg/l
Hexylcinnamaldehyde	101-86-0	Water flea	Estimated	48 hours	EC50	0.28 mg/l
Hexylcinnamaldehyde	101-86-0	Green algae	Estimated	72 hours	NOEC	0.21 mg/l
Hexylcinnamaldehyde	101-86-0	Water flea	Estimated	21 days	NOEC	0.014 mg/l
Fragrance Ingredient	115-95-7	Common Carp	Experimental	96 hours	LC50	11 mg/l
Fragrance Ingredient	115-95-7	Green algae	Experimental	72 hours	ErC50	16 mg/l
Fragrance Ingredient	115-95-7	Water flea	Experimental	48 hours	EC50	6.2 mg/l
Fragrance Ingredient	115-95-7	Green algae	Experimental	72 hours	NOEC	1.2 mg/l
Fragrance Ingredient	115-95-7	Activated sludge	Experimental	3 hours	EC50	415 mg/l
linalool	78-70-6	Activated sludge	Experimental	30 minutes	EC50	400 mg/l
linalool	78-70-6	Green algae	Experimental	72 hours	EC50	>34 mg/l

linalool	78-70-6	Rainbow trout	Experimental	96 hours	LC50	27.8 mg/l
linalool	78-70-6	Water flea	Experimental	48 hours	EC50	20 mg/l
linalool	78-70-6	Green algae	Experimental	72 hours	NOEC	5.6 mg/l
linalool	78-70-6	Water flea	Experimental	21 days	NOEC	9.5 mg/l
4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde	31906-04-4	Fathead minnow	Estimated	96 hours	LC50	11.8 mg/l
4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde	31906-04-4	Green algae	Estimated	72 hours	EC50	25.4 mg/l
4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde	31906-04-4	Water flea	Estimated	48 hours	EC50	76 mg/l
4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde	31906-04-4	Green algae	Estimated	72 hours	NOEC	5.95 mg/l

12.2. Persistence and degradability

Material	CAS Nbr	Test type	Duration	Study Type	Test result	Protocol
Propene, 1,3,3,3,-tetrafluoro-,(E)-	29118-24-9	Experimental Biodegradation	28 days	BOD	0 %BOD/COD	OECD 301D - Closed bottle test
Propene, 1,3,3,3,-tetrafluoro-,(E)-	29118-24-9	Experimental Photolysis		Photolytic half-life (in air)	34.4 days (t 1/2)	
ethanol	64-17-5	Experimental Biodegradation	14 days	BOD	89 %BOD/ThOD	OECD 301C - MITI test (I)
Hexylcinnamaldehyde	101-86-0	Experimental Biodegradation	28 days	BOD	97 %BOD/ThOD	OECD 301F - Manometric respirometry
Hexylcinnamaldehyde	101-86-0	Estimated Photolysis		Photolytic half-life (in air)	7 hours (t 1/2)	
Fragrance Ingredient	115-95-7	Experimental Biodegradation	28 days	BOD	76 %BOD/ThOD	OECD 301F - Manometric respirometry
Fragrance Ingredient	115-95-7	Experimental Hydrolysis		Hydrolytic half-life (pH 7)	1 days (t 1/2)	OECD 111 Hydrolysis func of pH
linalool	78-70-6	Experimental Biodegradation	28 days	BOD	80 %BOD/COD	OECD 301C - MITI test (I)
4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde	31906-04-4	Experimental Biodegradation	28 days	BOD	61 %BOD/ThOD	OECD 301C - MITI test (I)

12.3 : Bioaccumulative potential

Material	Cas No.	Test type	Duration	Study Type	Test result	Protocol
Propene, 1,3,3,3,-tetrafluoro-,(E)-	29118-24-9	Experimental Bioconcentration		Log Kow	1.6	
ethanol	64-17-5	Experimental Bioconcentration		Log Kow	-0.35	
Hexylcinnamaldehyde	101-86-0	Experimental Bioconcentration		Log Kow	5.3	
Fragrance Ingredient	115-95-7	Experimental Bioconcentration		Log Kow	3.9	OECD 107 log Kow shke flsk mtd
linalool	78-70-6	Experimental Bioconcentration		Log Kow	2.97	
4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-	31906-04-4	Estimated Bioconcentration		Log Kow	2.1	

carbaldehyde						

12.4. Mobility in soil

Material	Cas No.	Test type	Study Type	Test result	Protocol
Hexylcinnamaldehyde	101-86-0	Estimated Mobility in Soil	Koc	4,000 l/kg	Episuite™
Fragrance Ingredient	115-95-7	Modeled Mobility in Soil	Koc	1,039 l/kg	Episuite™
linalool	78-70-6	Modeled Mobility in Soil	Koc	140 l/kg	Episuite™
4-(4-hydroxy-4-methylpentyl)cyclohex-3-ene-1-carbaldehyde	31906-04-4	Estimated Mobility in Soil	Koc	30 l/kg	Episuite™

12.5. Results of the PBT and vPvB assessment

This material does not contain any substances that are assessed to be a PBT or vPvB

12.6. Other adverse effects

This material does not contain any substances that are assessed to be an endocrine disruptor for environmental effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Dispose of contents/ container in accordance with the local/regional/national/international regulations.

Incinerate in a permitted waste incineration facility. Facility must be capable of handling aerosol cans. As a disposal alternative, utilize an acceptable permitted waste disposal facility. Empty drums/barrels/containers used for transporting and handling hazardous chemicals (chemical substances/mixtures/preparations classified as Hazardous as per applicable regulations) shall be considered, stored, treated & disposed of as hazardous wastes unless otherwise defined by applicable waste regulations. Consult with the respective regulating authorities to determine the available treatment and disposal facilities.

The coding of a waste stream is based on the application of the product by the consumer. Since this is out of the control of the manufacturer, no waste code(s) for products after use will be provided. Please refer to the European Waste Code (EWC - 2000/532/CE and amendments) to assign the correct waste code to your waste stream. Ensure national and/or regional regulations are complied with and always use a licensed waste contractor

EU waste code (product as sold)
16 05 04* Gases in pressure containers (including halons) containing dangerous substances

EU waste code (product container after use)
15 01 04 Metallic packaging

SECTION 14: Transportation information

	Ground Transport (ADR)	Air Transport (IATA)	Marine Transport (IMDG)
14.1 UN number	UN1950	UN1950	UN1950
14.2 UN proper shipping name	AEROSOLS	AEROSOLS, FLAMMABLE	AEROSOLS

14.3 Transport hazard class(es)	2.2	2.1	2.1
14.4 Packing group	Not applicable.	Not applicable.	Not applicable.
14.5 Environmental hazards	Not Environmentally Hazardous	Not applicable	Not a Marine Pollutant
14.6 Special precautions for user	Please refer to the other sections of the SDS for further information.	Please refer to the other sections of the SDS for further information.	Please refer to the other sections of the SDS for further information.
14.7 Transport in bulk according to Annex II of Marpol 73/78 and IBC Code	No data available.	No data available.	No data available.
Control Temperature	No data available.	No data available.	No data available.
Emergency Temperature	No data available.	No data available.	No data available.
ADR Classification Code	5A	Not applicable.	Not applicable.
IMDG Segregation Code	Not applicable.	Not applicable.	NONE

Please contact the address or phone number listed on the first page of the SDS for additional information on the transport/shipment of the material by rail (RID) or inland waterways (ADN).

SECTION 15: Regulatory information

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

Global inventory status

Contact manufacturer for more information The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information. The components of this product are in compliance with the new substance notification requirements of CEPA. The components of this product are in compliance with the chemical notification requirements of TSCA. All required components of this product are listed on the active portion of the TSCA Inventory.

COMAH Regulation, SI 2015/483

Seveso hazard categories, Annex 1, Part 1

Hazard Categories	Qualifying quantity (tonnes) for the application of	
	Lower-tier requirements	Upper-tier requirements
P3b FLAMMABLE AEROSOLS	5000 (net)	50000 (net)

Seveso named dangerous substances, Annex 1, Part 2

Dangerous Substances	Identifier(s)	Qualifying quantity (tonnes) for the application of	
		Lower-tier requirements	Upper-tier requirements

ethanol	64-17-5	10	50

Regulation (EU) No 649/2012, as amended for GB
No chemicals listed

15.2. Chemical Safety Assessment
A chemical safety assessment has not been carried out for this substance/mixture in accordance with Regulation (EC) No 1907/2006, as amended for GB.

SECTION 16: Other information

List of relevant H statements

H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: may burst if heated.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

Revision information:
Section 1: Product identification numbers information was added.
Section 01: SAP Material Numbers information was added.

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Meguiar's, Inc. SDSs for Great Britain are available at www.meguiars.co.uk
For Northern Ireland documents, please contact your 3M representative to obtain a copy.