



Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the REACH Regulation (EC) 1907/2006 and its modifications.

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

1.1. Product identifier

Whole Car Air Re-Fresher (Fiji Sunset) G2015

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

CLP REGULATION (EC) No 1272/2008

CLASSIFICATION:

Aerosol, Category 1 - Aerosol 1; H222, H229

For full text of H phrases, see Section 16.

2.2. Label elements

CLP REGULATION (EC) No 1272/2008

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:

P210A 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 50C/122F.

For containers not exceeding 125 ml the following Hazard and Precautionary statements may be used:

<=125 ml Hazard statements

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

<=125 ml Precautionary statements

General:

P102 Keep out of reach of children.

Prevention:

P210A 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 50C/122F.

SUPPLEMENTAL INFORMATION:

Supplemental Hazard Statements:

EUH208 Contains 1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one. | Hexylcinnamaldehyde. | Hydrocinnamaldehyde, p-tert-butyl-alpha-methyl-. May produce an allergic reaction.

75% of the mixture consists of components of unknown acute oral toxicity.

Contains 3% of components with unknown hazards to the aquatic environment.

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

Ingredient	CAS Nbr	EC No.	REACH Registration No.	% by Wt	Classification
Propene, 1,3,3,3,-tetrafluoro-,(E)-	29118-24-9			65 - 85	Substance not classified as hazardous
ethanol	64-17-5	200-578-6	01-2119457610-43	10 - 30	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Fragrance Ingredients	Trade Secret			1 - 5	Substance not classified as hazardous
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	54464-57-2	259-174-3		0 - 0.2	Skin Sens. 1B, H317; Aquatic Chronic 1, H410,M=1
Benzyl Salicylate	118-58-1	204-262-9		0 - 0.2	Aquatic Acute 1, H400,M=1; Aquatic Chronic 3, H412
Hexylcinnamaldehyde	101-86-0	202-983-3		0 - 0.2	Skin Irrit. 2, H315; Skin Sens. 1B, H317; Aquatic Acute 1, H400,M=1; Aquatic Chronic 2, H411
Hydrocinnamaldehyde, p-tert-butyl-alpha-methyl-	80-54-6	201-289-8		< 0.15	Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1B, H317; Repr. 2, H361f; Aquatic Chronic 3, H412

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

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

Wash with soap and water. If signs/symptoms develop, get medical attention.

Eye contact

No need for first aid is anticipated.

If swallowed

Rinse mouth. If you feel unwell, get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

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.

Hazardous Decomposition or By-Products

<u>Substance</u>	<u>Condition</u>
Carbon monoxide	During combustion.
Carbon dioxide.	During combustion.
Hydrogen Fluoride	During combustion.

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. When fire fighting conditions are severe and total thermal decomposition of the product is possible, wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, tunic and trousers (leggings), 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

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Contain spill. 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. 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

Avoid inhalation of thermal decomposition products. Keep out of reach of children. Do not handle until all safety precautions have been read and understood. 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 get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Avoid contact with oxidising agents (eg. chlorine, chromic acid etc.) Use personal protective equipment (eg. gloves, respirators...) as required.

Whole Car Air Re-Fresher (Fiji Sunset) G2015

7.2. Conditions for safe storage including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. 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/m ³ (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.

Recommended monitoring procedures:Information on recommended monitoring procedures can be obtained from UK HSC

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

Select and use gloves and/or protective clothing approved to relevant local standards to prevent skin contact based on the results of an exposure assessment. Selection should be based on use factors such as exposure levels, concentration of the substance or mixture, frequency and duration, physical challenges such as temperature extremes, and other use conditions. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible gloves/protective clothing. Note: Nitrile gloves may be worn over polymer laminate gloves to improve dexterity.

Gloves made from the following material(s) are recommended:

Material	Thickness (mm)	Breakthrough Time
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Polymer laminate

No data available

No data available

Applicable Norms/Standards

Use gloves tested to EN 374

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 and particulates

Organic vapour respirators may have short service life.

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 types A & P

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state

Liquid.

Colour

Colourless

Odor

Apple

Odour threshold

No data available.

pH

Not applicable.

Boiling point/boiling range

No data available.

Melting point

No data available.

Flammability (solid, gas)

Not applicable.

Explosive properties

Not classified

Oxidising properties

Not classified

Flash point

≥ 14.4 °C [*Details: Flash point of Ethanol*]

Autoignition temperature

No data available.

Flammable Limits(LEL)

No data available.

Flammable Limits(UEL)

No data available.

Vapour pressure

No data available.

Relative density

0.81 [*Ref Std: WATER=1*]

Water solubility

No data available.

Solubility- non-water

No data available.

Partition coefficient: n-octanol/water

No data available.

Evaporation rate

No data available.

Vapour density

No data available.

Decomposition temperature

No data available.

Viscosity

No data available.

Density

0.81 g/ml

9.2. Other information

EU Volatile Organic Compounds

No data available.

Molecular weight

No data available.

Percent volatile

98.4 % weight

SECTION 10: Stability and reactivity

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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

Sparks and/or flames.

Heat.

10.5 Incompatible materials

Strong oxidising agents.

10.6 Hazardous decomposition products

<u>Substance</u>	<u>Condition</u>
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None known.	
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Refer to section 5.2 for hazardous decomposition products during combustion.

Extreme heat arising from situations such as misuse or equipment failure can generate hydrogen fluoride as a decomposition product.

SECTION 11: Toxicological information

The information below may not agree with the EU 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 Toxicological effects

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. May cause additional health effects (see below).

Skin contact

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

Eye contact

Contact with the eyes during product use is not expected to result in significant irritation.

Ingestion

May cause additional health effects (see below).

Additional Health Effects:

Whole Car Air Re-Fresher (Fiji Sunset) G2015**Single exposure may cause target organ effects:**

Central nervous system (CNS) depression: Signs/symptoms may include headache, dizziness, drowsiness, incoordination, nausea, slowed reaction time, slurred speech, giddiness, and unconsciousness.

Reproductive/Developmental Toxicity:

Contains a chemical or chemicals which can cause birth defects or other reproductive harm.

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
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
Hexylcinnamaldehyde	Ingestion	Rat	LD50 3,100 mg/kg
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Ingestion	Rat	LD50 > 5,000 mg/kg
Hydrocinnamaldehyde, p-tert-butyl-alpha-methyl-	Ingestion	Rat	LD50 1,390 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
ethanol	Rabbit	No significant irritation
Hexylcinnamaldehyde	Rabbit	Irritant
Hydrocinnamaldehyde, p-tert-butyl-alpha-methyl-	Rabbit	Irritant

Serious Eye Damage/Irritation

Name	Species	Value
ethanol	Rabbit	Severe irritant

Skin Sensitisation

Name	Species	Value
ethanol	Human	Not classified
Hexylcinnamaldehyde	Multiple animal species	Sensitising
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	Human and animal	Sensitising
Hydrocinnamaldehyde, p-tert-butyl-alpha-methyl-	Multiple animal species	Sensitising

Respiratory Sensitisation

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

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Germ Cell Mutagenicity

Name	Route	Value
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
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	prematuring & during gestation
Hydrocinnamaldehyde, p-tert-butyl-alpha-methyl-	Ingestion	Toxic to male reproduction	Rat	NOAEL 25 mg/kg/day	90 days

Target Organ(s)

Specific Target Organ Toxicity - single exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
ethanol	Inhalation	central nervous system depression	May cause drowsiness or dizziness	Human	LOAEL 2.6 mg/l	30 minutes
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	Ingestion	central nervous system depression	May cause drowsiness or dizziness	Multiple animal species	NOAEL not available	
ethanol	Ingestion	kidney and/or bladder	Not classified	Dog	NOAEL 3,000 mg/kg	

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test result	Exposure Duration
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

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on this material and/or its components.

SECTION 12: Ecological information

The information below may not agree with the EU 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	Effect Concentration 10%	>170 mg/l
ethanol	64-17-5	Rainbow trout	Experimental	96 hours	LC50	42 mg/l
ethanol	64-17-5	Water flea	Experimental	48 hours	LC50	5,012 mg/l
ethanol	64-17-5	Algae other	Experimental	96 hours	NOEC	1,580 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	Ricefish	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
Benzyl Salicylate	118-58-1	Green Algae	Experimental	72 hours	EC50	1.29 mg/l
Benzyl Salicylate	118-58-1	Water flea	Experimental	48 hours	EC50	1.16 mg/l
Benzyl Salicylate	118-58-1	Zebra Fish	Experimental	96 hours	LC50	1 mg/l
Benzyl Salicylate	118-58-1	Green Algae	Experimental	72 hours	NOEC	0.5 mg/l
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	54464-57-2	Bluegill	Estimated	96 hours	LC50	1.3 mg/l
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	54464-57-2	Green algae	Estimated	72 hours	EC50	2.6 mg/l
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	54464-57-2	Water flea	Estimated	48 hours	EC50	1.38 mg/l
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	54464-57-2	Water flea	Estimated	21 days	NOEC	0.02 mg/l

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1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	54464-57-2	Zebra Fish	Estimated	30 days	NOEC	0.16 mg/l
Hydrocinnamaldehyde, p-tert-butyl-alpha-methyl-	80-54-6	Green algae	Experimental	72 hours	EC50	29.2 mg/l
Hydrocinnamaldehyde, p-tert-butyl-alpha-methyl-	80-54-6	Water flea	Experimental	48 hours	EC50	10.7 mg/l
Hydrocinnamaldehyde, p-tert-butyl-alpha-methyl-	80-54-6	Zebra Fish	Experimental	96 hours	LC50	2.04 mg/l
Hydrocinnamaldehyde, p-tert-butyl-alpha-methyl-	80-54-6	Fathead minnow	Experimental	21 days	NOEC	>0.2 mg/l
Hydrocinnamaldehyde, p-tert-butyl-alpha-methyl-	80-54-6	Green algae	Experimental	72 hours	Effect Concentration 10%	1.7 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 Photolysis		Photolytic half-life (in air)	34.4 days (t 1/2)	Other methods
Propene, 1,3,3,3-tetrafluoro-(E)-	29118-24-9	Experimental Biodegradation	28 days	BOD	0 %BOD/COD	OECD 301D - Closed bottle test
ethanol	64-17-5	Experimental Biodegradation	14 days	BOD	89 % BOD/ThBOD	OECD 301C - MITI test (I)
Hexylcinnamaldehyde	101-86-0	Estimated Photolysis		Photolytic half-life (in air)	7 hours (t 1/2)	Other methods
Hexylcinnamaldehyde	101-86-0	Experimental Biodegradation	28 days	BOD	97 % BOD/ThBOD	OECD 301F - Manometric respirometry
Benzyl Salicylate	118-58-1	Experimental Biodegradation	28 days	BOD	93 % BOD/ThBOD	OECD 301F - Manometric respirometry
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	54464-57-2	Estimated Biodegradation	28 days	BOD	10 % weight	OECD 301C - MITI test (I)
Hydrocinnamaldehyde, p-tert-butyl-alpha-methyl-	80-54-6	Estimated Photolysis		Photolytic half-life (in air)	11 hours (t 1/2)	Other methods
Hydrocinnamaldehyde, p-tert-butyl-alpha-methyl-	80-54-6	Experimental Biodegradation	28 days	CO2 evolution	80.7 %CO2 evolution/THC O2 evolution	OECD 301B - Modified sturm or CO2

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	Other methods
ethanol	64-17-5	Experimental Bioconcentration		Log Kow	-0.35	Other methods
Hexylcinnamaldehyde	101-86-0	Experimental Bioconcentration		Log Kow	5.3	Other methods
Benzyl Salicylate	118-58-1	Estimated Bioconcentration		Bioaccumulation factor	15.8	Estimated: Bioconcentration factor
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	54464-57-2	Estimated Bioconcentration		Bioaccumulation factor	3000	Estimated: Bioconcentration factor
Hydrocinnamaldehyde, p-tert-butyl-alpha-methyl-	80-54-6	Estimated Bioconcentration		Bioaccumulation factor	4.57	Estimated: Bioconcentration factor

12.4. Mobility in soil

Please contact manufacturer for more details

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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

No information available.

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. Combustion products will include HF. Facility must be capable of handling halogenated materials. 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

ADR: UN1950; AEROSOLS; 2.1; 5F.

IATA: UN1950; AEROSOLS, FLAMMABLE; 2.1.

IMDG: UN1950; AEROSOLS; 2.1; F-D, S-U

SECTION 15: Regulatory information

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

15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for this mixture. Chemical safety assessments for the contained substances may have been carried out by the registrants of the substances in accordance with Regulation (EC) No 1907/2006, as amended.

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.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H361f	Suspected of damaging fertility.
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.
H412	Harmful to aquatic life with long lasting effects.

Revision information:

Section 1: Product name information was modified.
Section 3: Composition/ Information of ingredients table information was modified.
Section 5: Hazardous combustion products table information was modified.
Section 8: Occupational exposure limit table information was modified.
Section 11: Acute Toxicity table information was modified.
Section 11: Carcinogenicity Table information was modified.
Section 11: Germ Cell Mutagenicity Table information was modified.
Section 11: Reproductive Toxicity Table information was modified.
Section 11: Serious Eye Damage/Irritation Table information was modified.
Section 11: Skin Corrosion/Irritation Table information was modified.
Section 11: Skin Sensitization Table information was modified.
Section 11: Target Organs - Repeated Table information was modified.
Section 11: Target Organs - Single Table information was modified.
Section 12: Component ecotoxicity information information was modified.
Section 12: Persistence and Degradability information information was modified.
Section 12: Biocumulative potential information information was modified.
Section 16: UK disclaimer information was deleted.

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