

SAFETY DATA SHEET
according to 1907/2006/EC, Article 31

Duet - Citrus Leaves

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

1.1. Product identifier

Product name	Duet - Citrus Leaves
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC3] Air care products;
Description	Metered aerosols - Air Neutralizers.

1.3. Details of the supplier of the safety data sheet

Company	Rubbermaid Commercial Products LLC
Address	Newell Rubbermaid Europe Sàrl Chemin de Blandonnet 10 CH-1214 Vernier / Geneva / Switzerland
Web	www.rubbermaid.eu/contact
Telephone	+44 (0)8705 686 824
Fax	+44 (0)2030 279 352
Email	sds.CommercialProducts@newellco.com

Local Supplier

Company	Newell Poland Services Sp. z o. o.
Address	2 Ul. Wybickiego Manieczki Brodnica 63-112 Poland
Web	www.rubbermaid.eu/contact
Telephone	+44 (0)8705 686 824
Fax	+44 (0)2030 279 352

1.4. Emergency telephone number

Emergency telephone number	+44 (0)8705 686 824 Monday till Friday (08:30 - 17:00)
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Intended use

	Fragranced metered aerosol space sprays designed for use in proprietary automated dispensers.
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Further information

Informing Department	Technical Services Department.
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture


2.1.1. Classification - 1999/45/EC	F+; R12 Symbols: F+: Extremely flammable.
Main hazards	Extremely flammable.

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2.2. Label elements

Symbols	The product is classified in accordance with 67/548/EEC.
	For professional use only. F+: Extremely flammable.
Risk phrases Safety phrases	
	R12 - Extremely flammable.
Precautionary Phrases	.
	S2 - Keep out of the reach of children. S16 - Keep away from sources of ignition - No smoking. S23 - Do not breathe gas/fumes/vapour/spray. S51 - Use only in well-ventilated areas.
Further information	P10 - Contains hexyl cinnamal, citronellol, citral, tetramethyl acetyloctahydronaphthalenes, limonene. May produce an allergic reaction.
Classification system	For mixtures, classification is in compliance with Regulation (EC) 1999/45. The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Isobutane	601-004-00-0	75-28-5	200-857-2		40 - 50%	F+; R12
Propane	601-003-00-5	74-98-6	200-827-9		10 - 20%	F+; R12
Ethanol	603-002-00-5	64-17-5	200-578-6		10 - 20%	F; R11
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7		1 - 10%	F; R11 Xi; R36 R67
Dipropylene Glycol		110-98-5	203-821-4		1 - 10%	
D-Limonene	601-029-00-7	5989-27-5	227-813-5		< 1%	R10 Xi; R38 R43 N; R50/53
Hexyl Cinnamal		101-86-0	202-983-3		< 1%	Xi; R43 N; R50/53
Linalyl acetate		115-95-7	204-116-4		< 1%	Xi; R38 N; R51/53
tetramethyl Acetyloctahydronaphthalenes		54464-57-2	259-174-3		< 1%	Xi; R43 N; R51/53
Citral	605-019-00-3	5392-40-5	226-394-6		< 1%	Xi; R38 R43
2-Tertiary-butylcyclohexyl acetate		88-41-5	201-828-7		< 1%	N; R51/53
Citronellol		106-22-9	203-375-0		< 1%	

Further information

<p>Regulation (EU) 453/2010 - Substances in compliance with Regulation (EC) 1272/2008.</p> <p>Isobutane - Flam. Gas 1: H220; GHS02; GHS04;.</p> <p>Propane - Flam. Gas 1: H220; GHS02; GHS04;.</p> <p>Ethanol - Flam. Liq. 2: H225; GHS02;.</p> <p>Isopropanol - Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; GHS07; GHS02;.</p> <p>Dipropylene Glycol - Skin Irr. 2: H315; Eye Irr. 2: H319; GHS07;.</p> <p>D-limonene - Flam. Liq. 3: H226; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 1: H410; GHS07; GHS02; GHS09;.</p>

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Further information	
	Hexyl cinnamal - Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; GHS07; GHS09;. Linalyl acetate - Skin Irrit. 2: H315; Eye Dam. 2: H319; GHS07;. Tetramethyl acetyloctahydronaphthalenes - Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquat. Chronic 2: H411; GHS07; GHS09;. Citral - Skin Irrit. 2: H315; Skin Sens. 1: H317; GHS07;. 2-Tertiary-butylcyclohexyl acetate - Aquatic Chronic 2: H411; GHS09;. Citronellol - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; GHS07;.
Additional Information:	Full text for all Risk Phrases mentioned in this section are displayed in Section 16.
Description	Mixture of organic solvents, perfume and propane/iso-butane (propellant).

SECTION 4: First aid measures**4.1. Description of first aid measures**

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water.
Ingestion	Rinse mouth thoroughly. DO NOT INDUCE VOMITING.

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

Inhalation	May cause dizziness and headache.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	If you feel unwell, seek medical advice (show the label where possible).
Eye contact	Seek medical attention.
Skin contact	Seek medical attention if irritation or symptoms persist.

Further information

	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

	Carbon dioxide (CO2). Alcohol resistant foam. Do NOT use water jet.
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5.2. Special hazards arising from the substance or mixture

	Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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Further information

	Cool fire exposed containers with waterspray.
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SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

	Wear suitable protective equipment. Evacuate personnel to a safe area.
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6.2. Environmental precautions

	No environmental requirements.
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6.3. Methods and material for containment and cleaning up

	Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).
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6.4. Reference to other sections

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6.4. Reference to other sections

See section 8 + 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Wear suitable protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Ensure adequate ventilation of the working area.
 Keep in a cool, dry, well ventilated area. Heat will increase pressure in sealed containers. Keep away from sources of ignition - No smoking. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Do not store with strong oxidising agents, Strong acids. Protect from heat and direct sunlight. Observe official regulations on storing packagings with pressurised containers.

7.3. Specific end use(s)

Air care products.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Ethanol	WEL 8-hr limit ppm: 1000 WEL 15 min limit ppm: -	WEL 8-hr limit mg/m3: 1920 WEL 15 min limit mg/m3: -
Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400 WEL 15 min limit ppm: 500	WEL 8-hr limit mg/m3: 999 WEL 15 min limit mg/m3: 1250

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Adopt best Manual Handling considerations when handling, carrying and dispensing.

Eye / face protection

Avoid contact with eyes.

Skin protection - Handprotection

Wash hands after handling the product.

Respiratory protection

Not normally required.

Further information

Additional Information:

Wash hands during breaks and at the end of the work.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State	Aerosol
Colour	According to Product specification.
Odour	Characteristic
Vapour pressure	4.0 ± 0.5 bar
Relative density	0.62 - 0.632
Explosive	1.8 - 19.0 vol %

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

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10.2. Chemical stability

Will not decompose if stored and used as recommended.

10.3. Possibility of hazardous reactions

Strong oxidising agents.

10.4. Conditions to avoid

Store at temperatures above 50 °C. Heat, sparks and open flames.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Carbon oxides. Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

May cause irritation to skin. May cause allergic reactions in susceptible people.

11.1.4. Toxicological Information

Ethanol	Oral Rat LD50: 6200 - 17800 mg/kg	
Isopropanol	Inhalation Rat LC50/4 h: >20 mg/l Dermal Rabbit LD50: >5000 mg/kg	Oral Rat LD50: >5000 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Ethanol	Algae IC50/72h: 5000 mg/l	Fish LC50/96h: 11400 mg/l
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No data is available on this product.

12.2. Persistence and degradability

Evaporates readily.

12.3. Bioaccumulative potential

Does not bioaccumulate.

12.4. Mobility in soil

Evaporates readily.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

12.6. Other adverse effects

No data available.

Further information

Do not allow product to enter drains.

SECTION 13: Disposal considerations

General information

Dispose of in compliance with all local and national regulations.

Disposal methods

Contact a licensed waste disposal company.

Disposal of packaging

Dispose of in compliance with all local and national regulations. Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.

SECTION 14: Transport information

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Hazard pictograms



14.1. UN number

UN1950

14.2. UN proper shipping name

AEROSOLS

14.3. Transport hazard class(es)

ADR/RID	2
Subsidiary risk	see SP63
IMDG	2
Subsidiary risk	see SP63
IATA	2
Subsidiary risk	see SP63

14.4. Packing group

Packing group

-

14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	-
Tunnel Category	(D)

IMDG

EmS Code	F-D S-U
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IATA

Packing Instruction (Cargo)	203
Maximum quantity	150 kg
Packing Instruction (Passenger)	203
Maximum quantity	75 kg

Further information

Remarks	ADR - Goods are classified as "Limited Quantities" and are therefore exempt from ADR regulations. Check local legislation for domestic transport.
Remarks	IMDG - Goods are classified as "Limited Quantities" and are therefore exempt from IMDG regulations. Check local regulation for domestic transport.
Remarks	"Limited Quantity".

SECTION 15: Regulatory information

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

Regulations	<p>Aerosol product is manufactured in compliance with Commission Directive 2008/47/EC.</p> <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and</p>
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15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

15.2. Chemical safety assessment

No data is available on this product.

Further information

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.

SECTION 16: Other information**Other information****Revision**

This document differs from the previous version in the following areas:

- 1 - Product Use.
- 2 - 2.1. Classification of the substance or mixture.
- 3 - Further information.
- 4 - Skin contact.
- 4 - Skin contact.
- 8 - Additional Information:.
- 9 - 9.1. Information on basic physical and chemical properties (State).
- 9 - 9.1. Information on basic physical and chemical properties (Colour).
- 9 - 9.1. Information on basic physical and chemical properties (Odour).
- 9 - 9.1. Information on basic physical and chemical properties (Relative density).
- 11 - Skin corrosion/irritation.
- 11 - Respiratory or skin sensitisation.
- 14 - IMDG.
- 15 - Labelling.
- 15 - Risk phrases.
- 15 - Precautionary Phrases.
- 16 - General information.

Data sources

Raw Material Data Sheets.
Exposure limits.

Text of risk phrases in Section 3

R10 - Flammable
R11 - Highly flammable.
R12 - Extremely flammable.
R36 - Irritating to eyes.
R38 - Irritating to skin.
R43 - May cause sensitisation by skin contact.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R67 - Vapours may cause drowsiness and dizziness.

General information

Additional information in compliance with Regulation (EC) 1272/2008.
H220 - Extremely flammable gas.
H225 - Highly flammable liquid and vapour.
H226 - Flammable liquid and vapour.
H315 - Causes skin irritation.

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General information

H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H410 - Very toxic to aquatic life with long lasting effects.
H411 - Toxic to aquatic life with long lasting effects.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.

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Informing Department

Technical Services Department.

SAFETY DATA SHEET
according to 1907/2006/EC, Article 31

Duet - Tender Fruits

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

1.1. Product identifier

Product name	Duet - Tender Fruits
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1.2. Relevant identified uses of the substance or mixture and uses advised against

Product Use	[SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen); [PC3] Air care products;
Description	Metered aerosols - Air Neutralizers.

1.3. Details of the supplier of the safety data sheet

Company	Rubbermaid Commercial Products LLC
Address	Newell Rubbermaid Europe Sàrl Chemin de Blandonnet 10 CH-1214 Vernier / Geneva / Switzerland
Web	www.rubbermaid.eu/contact
Telephone	+44 (0)8705 686 824
Fax	+44 (0)2030 279 352
Email	sds.CommercialProducts@newellco.com

Local Supplier

Company	Newell Poland Services Sp. z o. o.
Address	2 Ul. Wybickiego Manieczki Brodnica 63-112 Poland
Web	www.rubbermaid.eu/contact
Telephone	+44 (0)8705 686 824
Fax	+44 (0)2030 279 352

1.4. Emergency telephone number

Emergency telephone number	+44 (0)8705 686 824 Monday till Friday (08:30 - 17:00)
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Intended use

	Fragranced metered aerosol space sprays designed for use in proprietary automated dispensers.
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Further information

Informing Department	Technical Services Department.
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	F+; R12 R52/53 Symbols: F+: Extremely flammable.
Main hazards	Extremely flammable. Harmful to aquatic organisms, may cause long-term adverse effects in the

Duet - Tender Fruits


Revision 4

Revision date 2012-12-23

2.1. Classification of the substance or mixture

aquatic environment.

2.2. Label elements

Symbols	The product is classified in accordance with 67/548/EEC.
	For professional use only. F+: Extremely flammable.
	
Risk phrases	R12 - Extremely flammable. R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Safety phrases	S2 - Keep out of the reach of children. S16 - Keep away from sources of ignition - No smoking. S23 - Do not breathe gas/fumes/vapour/spray. S51 - Use only in well-ventilated areas.
Precautionary Phrases	P10 - Contains hexyl cinnamal, benzyl salicylate, acetyl cedrene, tetramethyl acetyloctahydronaphthalenes, hexyl salicylate. May produce an allergic reaction.
Further information	
Classification system	For mixtures, classification is in compliance with Regulation (EC) 1999/45. The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Isobutane	601-004-00-0	75-28-5	200-857-2		40 - 50%	F+; R12
Propane	601-003-00-5	74-98-6	200-827-9		10 - 20%	F+; R12
Ethanol	603-002-00-5	64-17-5	200-578-6		10 - 20%	F; R11
Isopropanol (Propan-2-ol)	603-117-00-0	67-63-0	200-661-7		1 - 10%	F; R11 Xi; R36 R67
Dipropylene Glycol		110-98-5	203-821-4		1 - 10%	
tetramethyl Acetyloctahydronaphthalenes		54464-57-2	259-174-3		< 1%	Xi; R43 N; R51/53
Beta-Ionone		14901-07-6	238-969-9		< 1%	N; R51/53
Hexyl Salicylate		6259-76-3	228-408-6		< 1%	Xi; R38-43 N; R50/53
Linalyl acetate		115-95-7	204-116-4		< 1%	Xi; R38 N; R51/53
Hexyl Cinnamal		101-86-0	202-983-3		< 1%	Xi; R43 N; R50/53
Benzyl salicylate		118-58-1	204-262-9		< 1%	Xi; R43 N; R51/53
Citronellyl Acetate		150-84-5	205-775-0		< 1%	Xi; R38 N; R51/53
4-Tertiary-butylcyclohexyl acetate		32210-23-4	250-954-9		< 1%	N; R51/53
Acetyl Cedrene		32388-55-9	251-020-3		< 1%	Xi; R43 N; R50/53
Geranyl Acetate		105-87-3	203-341-5		< 1%	N; R51/53

Further information

Duet - Tender Fruits

Revision 4

Revision date 2012-12-23

Further information

	<p>Regulation (EU) 453/2010 - Substances in compliance with Regulation (EC) 1272/2008.</p> <p>Isobutane - Flam. Gas 1: H220; GHS02; GHS04;.</p> <p>Propane - Flam. Gas 1: H220; GHS02; GHS04;.</p> <p>Ethanol - Flam. Liq. 2: H225; GHS02;.</p> <p>Isopropanol - Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; GHS07; GHS02;.</p> <p>Dipropylene Glycol - Skin Irr. 2: H315; Eye Irr. 2: H319; GHS07;.</p> <p>Tetramethyl acetyloctahydronaphthalenes - Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquat. Chronic 2: H411; GHS07; GHS09;.</p> <p>Beta-ionone - Aquatic Chronic 2: H411; GHS09;.</p> <p>Hexyl salicylate - Skin Irrit. 2: H315; Skin Sens. 1: H317; Eye Dam. 2: H319; Aquatic Chronic 1: H410; GHS07; GHS09;.</p> <p>Linalyl acetate - Skin Irrit. 2: H315; Eye Dam. 2: H319; GHS07;.</p> <p>Hexyl cinnamal - Skin Sens. 1: H317; Aquatic Acute 1: H400; Aquatic Chronic 1: H410; GHS07; GHS09;.</p> <p>Benzyl salicylate - Skin Sens. 1: H317; Aquatic Chronic 2: H411; GHS07; GHS09;.</p> <p>Citronellyl acetate - Skin Irrit. 2: H315; Eye Irrit. 2: H319; Aquatic Chronic 2: H411; GHS07; GHS09;.</p> <p>4-Tertiary-butylcyclohexyl acetate - Aquatic Chronic 2: H411; GHS09;.</p> <p>Geranyl acetate - Skin Irrit. 2: H315; Aquatic Chronic 2: H411; GHS07; GHS09;.</p> <p>Acetyl cedrene - Skin Sens. 1: H317; Aquatic Chronic 1: H410; GHS07; GHS09;.</p>
Additional Information:	Full text for all Risk Phrases mentioned in this section are displayed in Section 16.
Description	Mixture of organic solvents, perfume and propane/iso-butane (propellant).

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air.
Eye contact	Rinse immediately with plenty of water for 15 minutes holding the eyelids open.
Skin contact	Wash off immediately with plenty of soap and water.
Ingestion	Rinse mouth thoroughly. DO NOT INDUCE VOMITING.

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

Inhalation	May cause dizziness and headache.
Eye contact	May cause irritation to eyes.
Skin contact	May cause irritation to skin.

4.3. Indication of any immediate medical attention and special treatment needed

Inhalation	If you feel unwell, seek medical advice (show the label where possible).
Eye contact	Seek medical attention.
Skin contact	Seek medical attention if irritation or symptoms persist.

Further information

	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
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SECTION 5: Firefighting measures

5.1. Extinguishing media

	Carbon dioxide (CO2). Alcohol resistant foam. Do NOT use water jet.
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5.2. Special hazards arising from the substance or mixture

	Extremely flammable aerosol. Carbon oxides. Carbon dioxide (CO2).
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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Further information

Duet - Tender Fruits

Revision 4

Revision date 2012-12-23

Further information

Cool fire exposed containers with waterspray.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable protective equipment. Evacuate personnel to a safe area.

6.2. Environmental precautions

No environmental requirements.

6.3. Methods and material for containment and cleaning up

Ensure adequate ventilation. Absorb liquid components with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4. Reference to other sections

See section 8 + 13 for further information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Wear suitable protective equipment.

7.2. Conditions for safe storage, including any incompatibilities

Ensure adequate ventilation of the working area.
Keep in a cool, dry, well ventilated area. Heat will increase pressure in sealed containers. Keep away from sources of ignition - No smoking. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Do not store with strong oxidising agents, Strong acids. Protect from heat and direct sunlight. Observe official regulations on storing packagings with pressurised containers.

7.3. Specific end use(s)

Air care products.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Exposure Limit Values

Ethanol	WEL 8-hr limit ppm: 1000	WEL 8-hr limit mg/m3: 1920
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
Isopropanol (Propan-2-ol)	WEL 8-hr limit ppm: 400	WEL 8-hr limit mg/m3: 999
	WEL 15 min limit ppm: 500	WEL 15 min limit mg/m3: 1250

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Ensure adequate ventilation of the working area.

8.2.2. Individual protection measures

Adopt best Manual Handling considerations when handling, carrying and dispensing.

Eye / face protection

Avoid contact with eyes.

Skin protection - Handprotection

Wash hands after handling the product.

Respiratory protection

Not normally required.

Further information

Additional Information:

Wash hands during breaks and at the end of the work.

SECTION 9: Physical and chemical properties

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Revision 4

Revision date 2012-12-23

9.1. Information on basic physical and chemical properties

State	Aerosol
Colour	According to Product specification.
Odour	Characteristic
Vapour pressure	4.0 ± 0.5 bar
Relative density	0.62 - 0.632
Explosive	1.8 - 19.0 vol%

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Will not decompose if stored and used as recommended.

10.3. Possibility of hazardous reactions

Strong oxidising agents.

10.4. Conditions to avoid

Store at temperatures above 50 °C. Heat, sparks and open flames.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Carbon oxides. Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation

May cause irritation to skin. May cause allergic reactions in susceptible people.

11.1.4. Toxicological Information

Ethanol	Oral Rat LD50: 6200 - 17800 mg/kg
Isopropanol	Inhalation Rat LC50/4 h: >20 mg/l Dermal Rabbit LD50: >5000 mg/kg Oral Rat LD50: >5000 mg/kg

SECTION 12: Ecological information

12.1. Toxicity

Ethanol	Algae IC50/72h: 5000 mg/l	Fish LC50/96h: 11400 mg/l
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No data is available on this product.

12.2. Persistence and degradability

Evaporates readily.

12.3. Bioaccumulative potential

Does not bioaccumulate.

12.4. Mobility in soil

Evaporates readily.

12.5. Results of PBT and vPvB assessment

No data is available on this product.

12.6. Other adverse effects

No data available.

Further information

Do not allow product to enter drains.

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SECTION 13: Disposal considerations**General information**

	Dispose of in compliance with all local and national regulations.
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Disposal methods

	Contact a licensed waste disposal company.
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Disposal of packaging

	Dispose of in compliance with all local and national regulations. Do NOT reuse empty containers. Empty containers can be sent for disposal or recycling.
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SECTION 14: Transport information**Hazard pictograms**

	
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14.1. UN number

	UN1950
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14.2. UN proper shipping name

	AEROSOLS
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14.3. Transport hazard class(es)

ADR/RID	2
Subsidiary risk	see SP63
IMDG	2
Subsidiary risk	see SP63
IATA	2
Subsidiary risk	see SP63

14.4. Packing group

Packing group	-
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14.5. Environmental hazards

Environmental hazards	No
Marine pollutant	No

ADR/RID

Hazard ID	-
Tunnel Category	(D)

IMDG

EmS Code	F-D S-U
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IATA

Packing Instruction (Cargo)	203
Maximum quantity	150 kg
Packing Instruction (Passenger)	203
Maximum quantity	75 kg

Further information

Remarks	ADR - Goods are classified as "Limited Quantities" and are therefore exempt from ADR regulations. Check local legislation for domestic transport.
Remarks	IMDG - Goods are classified as "Limited Quantities" and are therefore exempt from IMDG regulations. Check local regulation for domestic transport.

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Further information	
Remarks	"Limited Quantity".
SECTION 15: Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	
Regulations	<p>Aerosol product is manufactured in compliance with Commission Directive 2008/47/EC.</p> <p>COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p> <p>REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.</p>
15.2. Chemical safety assessment	
	No data is available on this product.
Further information	
	Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material.
SECTION 16: Other information	
Other information	
Revision	<p>This document differs from the previous version in the following areas:</p> <p>2 - 2.1. Classification of the substance or mixture.</p> <p>3 - Further information.</p> <p>4 - Skin contact.</p> <p>4 - Skin contact.</p> <p>8 - Additional Information:.</p> <p>8 - Further information.</p> <p>11 - Skin corrosion/irritation.</p> <p>11 - Respiratory or skin sensitisation.</p> <p>11 - Serious eye damage/irritation.</p> <p>15 - Risk phrases.</p> <p>15 - Precautionary Phrases.</p> <p>16 - General information.</p>
Data sources	<p>Raw Material Data Sheets.</p> <p>Exposure limits.</p>
Text of risk phrases in Section 3	<p>R11 - Highly flammable.</p> <p>R12 - Extremely flammable.</p> <p>R36 - Irritating to eyes.</p> <p>R38 - Irritating to skin.</p> <p>R43 - May cause sensitisation by skin contact.</p> <p>R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R67 - Vapours may cause drowsiness and dizziness.</p>
General information	

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General information

Additional information in compliance with Regulation (EC) 1272/2008.

H220 - Extremely flammable gas.
H225 - Highly flammable liquid and vapour.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
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.

Further information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication however no guarantee is made to its accuracy. 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 other process.

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Informing Department

Technical Services Department.