



## **SAFETY DATA SHEET**

### **GARDEN APPLE** **Kleenmist**

#### **Section 1. Identification of the substance/mixture and of the company/undertaking**

##### **1.1 Product Identifier**

Product Form: Mixture  
Product Name: Air Freshener Aerosol 750ml/500ml/270ml/100ml  
Product No: Garden Apple – 100068

##### **1.2 Relevant identified uses of the substances of mixture and uses advised against**

###### **1.2.1 Relevant Identified uses**

Air Freshener for general public use

###### **1.2.2 Uses advised against**

No additional information available

##### **1.3 Details of the supplier of the safety data sheet**

**Company name:** Robert Scott & Sons Ltd  
**Company address:** Oak View Mills  
Manchester Road  
Greenfield  
Oldham  
OL3 7HG  
[sales@robert-scott.co.uk](mailto:sales@robert-scott.co.uk)

##### **1.4 Emergency telephone number**

+44 (0) 1457 819494  
Mon – Fri 0800-1700:

#### **Section 2. Hazards Identification**

##### **2.1 Classification of the substance or mixture**

Classification according to (EC) 1272/2008 [CLP]

Aerosol Category 1 H222;H229

Serious eye damage/eye irritation Category 2 H319

The full text for all Hazard statements are displayed in Section 16.

Adverse physicochemical, human health and environmental effects

Pressurised container: May burst if heated. Extremely flammable aerosol

## 2.2 Label elements

Label in accordance with (EC) 1272/2008 [CLP]

Hazard pictograms (CLP)



GHS02



GHS07

Signal Word (CLP): Danger

### Hazard Statements (CLP):

H222 Extremely Flammable Aerosol  
H229 Pressurised container: May burst if heated  
H319 Causes serious eye irritation

### Precautionary Statements (CLP):

P102 Keep out of reach of children  
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  
P501 Dispose of contents/container in accordance with Local

Regulations

### Supplementary Precautionary Statements:

P273 Avoid release into the environment  
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact

lenses, if present and easy to do. Continue rinsing.

P370+378 In case of fire: Use carbon dioxide, dry chemical, foam for

extinction.

P410+412 Protect from sunlight. Do not expose to temperatures

exceeding

50°C/122°F.

## 2.3 Other hazards:

No additional information available

## Sections 3. Composition / information on ingredients

### 3.1 Substance

Not applicable

### 3.2 Mixtures

Contains:

Name	CAS	EC	%	Classification for (CLP) 1272/2008

Petroleum Gases Liquified	68476-85-7	270-704-2	70-100%	Flam Gas 1-H220
Ethyl alcohol	64-17-5	200-578-6	<20%	Flam Liq 2-H225 Eye Irrit 2:H319 (SCL ≥50%)
Diethyl malonate	105-53-3	203-305-9	0.16%	Eye Irrit 2;H319

The full text for Hazard and Precautionary statements are listed in Section 16.

## **Section 4. First aid measures**

### **4.1 First aid measures**

#### **General information**

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

#### **Inhalation**

Move the exposed person to fresh air at once. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Keep the affected person warm and at rest. Get prompt medical attention.

#### **Ingestion**

DO NOT induce vomiting. Get medical attention immediately

#### **Skin contact**

Wash the skin immediately with soap and water. Promptly remove clothing if soaked through and wash as above. Get medical attention if any discomfort continues.

#### **Eye Contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### **4.2 Most important symptoms and effects, both acute and delayed**

Symptoms/injuries: Not expected to present a significant hazard under anticipated conditions of

normal use

Symptoms/injuries after inhalation: Not expected to present a significant inhalation hazard under anticipated conditions of normal use. May cause slight irritation.

Symptoms/injuries after skin contact: Not expected to present a significant skin hazard under anticipated conditions of normal use. May cause slight irritation.

Symptoms/injuries after eye contact: Causes eye irritation.

Symptoms/injuries after ingestion: Not expected to present a significant ingestion hazard under anticipated conditions of normal use. May cause a light irritation of the linings of the mouth, throat, and gastrointestinal tract.

### **4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically

## **Section 5: Firefighting measures**

### **5.1 Extinguishing media**

Suitable media: Carbon dioxide, Dry chemical, Foam.

### **5.2 Special hazards arising from the substance or mixture.**

Fire hazard: Extremely flammable aerosol

Reactivity in case of fire: Not known

Hazardous decomposition

Products in case of fire: Toxic fumes may be released

### **5.3 Advice for fire fighters:**

Precautionary measures fire: Stop leak if safe to do so

Firefighting instructions: Eliminate all ignition sources if safe to do so. Fight fire with normal Precautions from a reasonable distance

Protection during firefighting: Do not attempt to take action without suitable protective equipment.

Self-contained breathing apparatus. Complete protective clothing.

## **Section 6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures:**

General measures: Ensure adequate ventilation. Eliminate ignition sources. Avoid release into

The environment.

#### **6.1.1 For non-emergency personnel**

Protective equipment: Not required for normal conditions of use

Emergency procedure: Ventilate spillage area. Eliminate all ignition sources if safe to do so.

Avoid contact

With skin and eyes

#### **6.1.2 for emergency responders**

Protective equipment: Do not attempt to take action without suitable protective equipment. For further

Information refer to section 8: "Exposure controls/personal protection". Avoid

Contact with skin and eyes.

Emergency procedure: Ventilate spillage area. Eliminate all ignition sources if safe to do so.

### **6.2 Environmental precautions:**

Avoid release into the environment.

### **6.3 Methods and material for containment and cleaning up:**

For containment: Not applicable

Methods for cleaning up: This material and its container must be disposed of in a safe way, as per

local regulations and legislation.

Other information: This material and its container must be disposed of as hazardous waste. Dispose of

in a safe way, as per local regulations and legislation.

### **6.4 Reference to other sections:**

Also refer to sections 8 and 13.

## **Section 7. Handling and storage**

### **7.1 Precautions for safe handling:**

Additional hazards when processed:	Handle empty containers with care because residual vapours are flammable.
container: Do not	In use, may form flammable vapour-air mixture. Pressurized
	Pierce, or burn, even after use.
Precautions for safe handling: ignition	Keep away from heat, hot surfaces, sparks, open flames and other ignition
	Sources. No smoking. Do not spray on to an open flame or other
Hygiene measures:	Source. Pressurized container: do not pierce or burn, even after use. Do not eat, drink or smoke when using this product.

### **7.2 Conditions for safe storage, including any incompatibilities.**

Technical measures:	Ensure adequate ventilation
Storage conditions:	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F
Incompatible products:	Store in a well ventilated place. Keep cool.
Incompatible materials:	Strong bases, strong acids. Oxidising agents.
Storage area:	Sources of ignition. Heat sources. Direct sunlight.
	Store in a well ventilated place. Keep away from open flames, hot surfaces,
	And sources of ignition.
Special rules on packaging:	Keep only in original container.

### **7.3 Specific end use(s):**

Air care products. Use in accordance with good manufacturing and industrial hygiene practises.

## **Section 8. Exposure controls/personal protection**

### **8.1 Control Parameters**

No additional information available.

### **8.2 Exposure controls**

Workplace exposure limits:

Ingredient	CAS	EC	STD	TWA – 8 Hrs	STEL- 15 Min		Reference
Petroleum Gases Liquefied	68476-85-7	270-704-2	WEL	1000 ppm 1750 mg.m <sup>3</sup>	1250ppm 2180 mg.m <sup>3</sup>		UK EH40 Dec 2011
Ethyl alcohol	64-17-5	200-578-6	WEL	1000 ppm 1290 mg.m <sup>3</sup>			UK EH40 Dec 2011

Derived No Effect Levels (DNEL):

Petroleum Gases Liquefied

Not applicable

Ethanol

DNEL for workers
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Inhalation DNEL (short term, local)	1900 mg/m <sup>3</sup>	(irritation respiratory tract)
Inhalation DNEL (long term, systemic)	950 mg/m <sup>3</sup>	(carcinogenicity)
Dermal DNEL (long term, systemic)	343 mg/kg bw/day	(repeated dose toxicity)
DNEL for the general population		
Inhalation DNEL (short term, local)	950 mg/m <sup>3</sup>	(irritation respiratory tract)
Inhalation DNEL (long-term, systemic)	114 mg/m <sup>3</sup>	(carcinogenicity)
Dermal DNEL (long-term, systemic)	206 mg/kg bw/day	(repeated dose toxicity)
Oral DNEL (long-term, systemic)	87 mg/kg bw/day	(repeated dose toxicity)

Predicted No Effect Concentration (PNEC):

#### Petroleum Gases Liquified

Exposure assessments have not been presented for the environment, therefore PNEC values not required

#### Ethanol

PNEC aqua (freshwater)	0,96 mg/L
PNEC aqua (marine water)	0,79 mg/L
PNEC aqua (intermittent releases):	2,75 mg/L
PNEC sediment (freshwater):	3,6 mg/kg sediment dw
PNEC sediment (marine water):	2,9 mg/kg sediment dw
PNEC soil	0,63 mg/kg soil dw
PNEC STP (Sewage Treatment Plant)	580 mg/L
PNEC oral (food chain)	0,72 g/kg food

## **8.2 Exposure Controls**

### Engineering Measures

Distribution, Workplace and Household Settings: Ensure adequate ventilation

### Personal Protective Equipment

### Eye Protection

Distribution, Workplace and Household Settings: No special protective equipment required

### Hand Protection

Distribution, Workplace and Household Settings: No special protective equipment required

### Skin and Body Protection

Distribution, Workplace and Household Settings: No special protective equipment required

### Respiratory Protection

Distribution, Workplace and Household Settings: No special protective equipment required

## **Section 9. Physical and chemical properties**

### **9.1 Information on basic physical and chemical properties**

#### **(a) Appearance**

Aerosol.

#### **(b) Odour**

Apple fragrance

#### **c) Odour Threshold**

No data available

(d) pH	No data available
(e) Melting point/freezing point	No data available
(f) Initial boiling point and boiling range	No data available
(g) Flash point	Estimated at -35°C
(h) Evaporation point	No data available
(i) Flammability (solid gas)	No data available
(j) Upper/lower flammability Or explosive limits	No data available
(k) Vapour pressure	No data available
(l) Vapour density	No data available
(m) Relative density	No data available
(n) Water solubility	No data available
(o) Partition coefficient n-octanol/water	No data available
(p) Auto-ignition temperature	No data available
(q) Decomposition temperature	No data available
(r) Viscosity	No data available
(s) Explosive properties	Pressurised contained. May burst if heated.
(t) Oxidising properties	No data available.
<b>9.2. Other information</b>	

Can pressure 70psi.

## **Section 10. Stability and reactivity**

### **10.1 Reactivity:**

Presents no significant reactivity hazard, by itself or in contact with water.

### **10.2 Chemical stability**

Good stability under normal storage conditions.

### **10.3 Possibility of hazardous reactions:**

Not expected under normal conditions of use.

### **10.4 Conditions to avoid:**

Avoid contact with hot surfaces/heat. No flames; no sparks. Eliminate all sources of ignition

### **10.5 Incompatible materials:**

Avoid contact with strong acids, alkalis or oxidising agents.

### **10.6 Hazardous decomposition products:**

Not expected

## **Section 11. Toxicological information**

### **11.1 Information on toxicological effects**

This mixture has not been tested as a whole for health effects. The health effects have been calculated in accordance with methods given in regulation (EC) No 1272/2008.

Based upon the hazardous properties of the component substances, and their concentrations, this product has been assessed according to the calculation method of CLP, and found not to be classified for toxicological effects.

### **Acute Toxicity:**

Not classified

**Ethyl Alcohol:**

LD50 Oral – Rat	10,470 mg/kg
LC50 Inhalation – Rat	30,000 mg/l – 4 h
LD50 DermaL – Rabbit	15,800 mg/kg
<b>Skin corrosion/Irritation</b>	Not classified
<b>Serious eye damage/eye irritation</b>	Not classified
<b>Respiratory or skin sensation</b>	Not classified
<b>Germ cell mutagenicity</b>	Not classified
<b>Carcinogenicity</b>	Not classified
<b>Reproductive Toxicity</b>	Not classified
<b>Specific Target Organ Toxicity</b>	Not classified
<b>Aspiration hazard</b>	Not classified
<b>Potential adverse human health</b>	
<b>Effects and symptoms</b>	Based on available data, the classification criteria are not met

**Section 12. Ecological information****12.1 Toxicity:**

Based upon the hazardous properties of the component substances, and their concentrations, this product has been assessed according to the calculation method of CLP, and found not to be classified for ecological effects.

Ethyl alcohol

Toxicity to fish LC50 – *Primephales promelas* (Fathead minnow) – 14,200 mg/l – 96 h

Toxicity to daphnia and other

Aquatic vertebrates LC50 – *Ceriodaphnia dubia* (Water flea) - 5,012 mg/l – 48 h

Toxicity to algae EC50 – *Chlorella vulgaris* (Fresh water algae) - 275 mg/l – 72 h  
(OECD Test Guidelines 201)

Liquid petroleum gases

Physical properties indicate that petroleum gases will rapidly volatilise from the aquatic environment and that acute and chronic effects would not be observed in practice.

**12.2 Persistence and degradability:**

Ethyl alcohol

Result: 95% - Readily biodegradable

Liquid petroleum gases

Expected to be readily biodegradable. Oxidises rapidly by photo-chemical reactions in air

**12.3 Bioaccumulative potential:**

Ethyl alcohol

Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

Liquid petroleum gases

Not expected to bioaccumulate significantly

**12.4 Mobility in soil:**

Ethyl alcohol

No data available

Liquid petroleum gases



Because of their extreme volatility, air is the only environmental compartment that hydrocarbon gases will be found.

**12.5 Results of PBT and vPvB assessment:**

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

**12.6 Other adverse effects:**

No data available.

**Section 13. Disposal considerations**

**13.1 Waste treatment methods:**

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal according to Local Authority Regulations

**Section 14. Transport information**

**14.1 UN Number**

UN No (ADR/RID/ADN)	1950
UN No (IMDG)	1950
UN NO (ICAO)	1950

**14.2 UN Proper Shipping Name**

ADR/IMDG/AND/RID	AEROSOLS
IATA	Aerosols Flammable

**14.3 Transport Hazard Class(es)**

ADR/RID/ADN Class	2.1
ADR/RID/ADN Class	Class 2: Gases
ADR Label No	2.1 & 6.1
IATA	2.1
IMDG Class	2.1
ICAO Class/Division	2.1
ICAO Subsidiary Risk	6.1
ICAO TEC* No	20GSF
Air Class	2.1
UK Road Class	2.1
Transport Labels	L.Q.



**14.4 Packing Group**

Not Applicable

**14.5 Environmental Hazards**

Dangerous for the environment	No
Marine pollutant	No
Other information	No supplementary information available

## **14.6 Special Precautions for user**

### **Overland Transport**

Classification Code (ADR):	5F	
Special Provisions (ADR):		190,327,344,625
Limited Quantities (ADR):		1l
Excepted Quantities (ADR):		E0
Packing Instructions (ADR):		P207,LP02
Special Packing provisions (ADR):		PP87, RR6, L2
Mixed Packing provisions (ADR):		MP9
Transport Strategy (ADR):		2
Special provisions for carriage – Packages (ADT)		V14
Special Provisions for carriage – Loading, unloading and handling (ADR):		CV9, CV12
Special provisions for carriage – Operation (ADR):		S2
Tunnel Restriction Code:		D

### **Transport by Sea**

Special Provisions (IMDG):		63,190,277,327,344,959
Limited Quantities (IMDG):		SP277
Excepted Quantities (IMDG):		E0
Packing Instructions (IMDG):		P207,LP02
Special Packing provisions (IMDG):		PP87,L2
EmS-No (Fire):		F-D
EmS-No (Spillage):		S-U
Stowage category (IMDG):		None
Stowage and Handling (IMDG):		SW1,SW22
Segregation (IMDG):		SG69
MFAG-No:		126

### **Air Transport**

PCA Excepted Quantities (IATA):		E0
PCA Limited Quantities (IATA):		Y203
PCA Limited Quantity max net quantity (IATA):		30KgG
PCA Packing instructions (IATA):		203
PCA max net quantity (IATA):		75Kg
CAO packing instructions (IATA):		203
CAO max net quantity (IATA):		150Kg
Special provisions (IATA):		A145,A167,A802
ERG Code (IATA):		10L

### **Inland Waterway Transport**

Classification Code (ADN):		5F
Special Provisions (ADN):		190,327,344,625
Limited Quantities (ADN):		1 L
Excepted Quantities (ADN):		E0
Equipment required (ADN):		PP,EX,A
Ventilation (ADN):		VE01,VE04
Number of blue cones/lights (ADN):		1

### **Rail Transport**

Classification Code (RID):		5F
Special Provisions (RID):		190,327,344,625
Limited Quantities (RID):		1L
Excepted Quantities (RID):		E0
Packing Instructions (RID):		P207,LP02

Special Packing provisions (RID):	PP87,RR6,L2
Mixed Packing provisions (RID):	MP9
Transport Category (RID):	2
Special Provisions for carriage – Packages (RID):	W14
Special Provisions for carriage – Loading, unloading and handling (RID):	CW9, CW12
Colis Express (express parcels) (RID):	CE2
Hazard Identification No (RID):	23

#### **14.7 Transport in bulk according to Annex II of MARPOL and the IBC code**

Not applicable

### **Section 15. Regulatory information**

#### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**

Labelling according to Regulation (EC) No 1272/2008

The chemicals (Hazard information and packaging for supply) regulations 2009 (S.I 2009 No. 716).

Control of substances hazardous to health.

Approved code of practice.

Guidance notes

Workplace exposure limits EH40.

##### **15.1.1 EU-Regulations**

Contains no REACH substances with Annex XVII restrictions.

Contains no REACH Annex XIV substances.

##### **15.1.2 National Regulations**

No additional information available.

#### **15.2 Chemicals safety assessment**

A chemical safety assessment has not been carried out for this product.

### **Section 16. Other information**

#### **General Information:**

This product should be used as directed. For further information consult the product data sheet or contact Technical Services.

#### **Information sources:**

This Safety Data Sheet was compiled using current safety information supplied by the distributor of raw materials.

#### **Classification under regulation (EC) No 1272/2008**

##### **Hazard statements in full**

H220	Extremely flammable gas.
H222	Extremely flammable aerosol
H225	Highly flammable liquid and vapour
H229	Pressurised container. May burst if heated

H319 Causes serious eye irritation

#### Abbreviations

Flam Gas 1	Flammable Gas Category 1
Flam Liq 2	Flammable Liquid Category 2
Carc 2	Carcinogen Category 2
Eye Irrit 2	Eye irritant category 2
LD50	Lethal Dose 50%
LC50	Lethal Concentration 50%
OECD	Organisation for Economic and Co-operative Development
PBT	Persistent Bioaccumulative Toxicity
vPvB	Very Persistent Very Bioaccumulative
IMDG	International Maritime Transport of Dangerous Goods
ICAO	International Civil Aviation Organisation

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Due to different materials used, as well as to varying working conditions, production techniques, and the requirements of the end users, all of which are beyond our control, we strongly recommend that thorough and extensive trials are carried out in order to test the suitability of our products with regard to the required processes and applications. This should also include an ageing test which should be applied to all substrates used.

It is also the responsibility of the purchaser and end user of this product to ensure that all appropriate actions necessary for the protection of the environment, and for the health and safety of their employees are observed.

This datasheet replaces all former versions