SAFETY DATA SHEET
CRANBERRY
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:	Cranberry – PN797031

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

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^{o}C/122^{o}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%)
Benzyl Acetate	140-11-4	205-399-7	0.1-0.2%	Aquatic Chronic 3-H412

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.
	In use, may form flammable vapour-air mixture. Pressurized container: Do not
	Pierce, or burn, even after use.
Precautions for safe handling:	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 ignition
	Source. Pressurized container: do not pierce or burn, even after use.
Hygiene measures:	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 $50^{O}C/122^{O}F$
	Store in a well ventilated place. Keep cool.
Incompatible products:	Strong bases, strong acids. Oxidising agents.
Incompatible materials:	Sources of ignition. Heat sources. Direct sunlight.
Storage area:	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.m³	1250ppm 2180 mg.m³		UK EH40 Dec 2011
Ethyl alcohol	64-17-5	200-578-6	WEL	1000 ppm 1290 mg.m³			UK EH40 Dec 2011

Derived No Effect Levels (DNEL):

Petroleum Gases Liquified

Not applicable

Ethanol

DNEL for workers		
Inhalation DNEL (short term, local)	1900 mg/m3	(irritation respiratory tract)
Inhalation DNEL (long term, systemic)	950 mg/m3	(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/m3	(irritation respiratory tract)
Inhalation DNEL (long-term, systemic)	114 mg/m3	(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	Distinctive 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^{o}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.

9.2. Other information

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
Skin corrosion/Irritation	Not classified
Serious eye damage/eye irritation	Not classified
Repiratory or skin sensation	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive Toxicity	Not classified
Specific Target Organ Toxicity	Not classified
Aspiration hazard	Not classified
Potential adverse human health Effects and symptoms	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	LC55 – 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) (OECD Test Guidelines 201)	- 275 mg/l – 72 h

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 Bioaccumalative 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
H412	Harmful to aquatic life with long lasting effects

Abbreviations

Flam Gas 1	Flammable Gas Category 1
Flam Liq 2	Flammable Liquid Category 2
Eye Irrit 2	Eye Irritant category 2
Aquat Chron 3	Hazardous to the aquatic environment – Chronic Hazard Category 3
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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