

SAFETY DATA SHEET

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

1.1 Product Identifier

Product Name: ASTRAL AROMA BURST CRANBERRY/ORANGE/JASMINE 500ML
 Product Code: AST-CRAN/ORANGE/JASMINE500

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

Identified Uses: Air Freshener

1.3 Details of the supplier of the safety data sheet

Company name: ASTRAL CSL
 Company address: Pilkingtons Industrial Estate
 Rake Lane

 Swinton M27 8LP
info@astralcsl.com



1.4 Emergency telephone number

+44 (0) 161 643 0260
 Mon – Thurs 0830-1700: Fri 0830-1300

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and chemical hazards	Extremely Flammable Aerosol - H222
Human health	Not Classified
Environment	Not Classified

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

2.2 Label elements

Label in accordance with (EC 1272/2008)



Signal Word: Danger

Hazard Statements:

H222	Extremely Flammable Aerosol
H229	Pressurised container: May burst if heated

Precautionary Statements:

- 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:

None

Sections 3. Composition / information on ingredients

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	<16%	Flam Liq 2-H225 Eye Irrit 2:H319 (SCL ≥50%)
Benzyl Acetate	140-11-4	205-399-7	0.2%	Aquatic Chronic 3:H412
(E)-beta-Ionone	79-77-6	201-224-3	0.05%	Aquatic Chronic 2;H411
Hexyl Acetate	142-92-7	205-572-7	0.01%	Flam Liq 3;H226
Alpha,alpha-Dimethylphenethylbutyrate	10094-34-5	233-221-8	0.01%	Skin Irrit 2;H315- Skin Sens 1;H317
Ethyl methylphenylglycidate	77-83-8	201-061-8	0.013%	Flam Liq 3;H226- Skin Irrit 2;H315- Eye Irrit 2:H319- STOT SE 3;H335
Citronellal	106-22-9	203-375-0	0.0119%	Skin Irrit 2;H315-Eye Irrit 2;H319- Skin Sens 1;H317
3,7-Dimethyl-1-octanol	106-12-8	203-374-5	0.0113%	Skin Irrit 2;H315- Eye Irrit 2;H319- STOT SE 3;H335
Alpha-isomethyl ionone	127-51-5	204-846-3	.08%	Skin Sens 1:H317-Aquatic Chronic 3:H412
Delta-1-(2,6,6-Trimethyl-3-cyclohexen-1-yl)-2-buten-1-one	57378-68-4	260-709-8	0.007%	Flam Liq 3;H226- Skin Sens 1;H317- Skin Irrit 2;H315- Aquatic Acute1;H400- Aquatic Chronic 1;H410
(E)-1-(2,6,6-Trimethyl-2-cyclohexen-1-yl)-2-buten-1-one	24720-19-0	246-430-4	0.007%	Acute Tox4;H302
2-ethoxynaphthalene	93-18-5	202-226-7	0.007%	Skin Irrit 2;H315
d-Limonene	5989-27-5	227-813-5	0.0006%	Flam Liq 3;H226- Skin Irrit 2;H315- Skin Sens 1;H317- Asp Tox 1;H304- Aquatic Acute1;H400-Aquatic Chronic 1;H410
Ethyl Acetate	141-78-0	205-500-4	0.0003%	Flam Liq 2-H225- Eye Irrit 2;H319-

				STOT SE 3;H336
Mycene	123-35-3	204-622-5	0.00006%	Flam Liq 3;H226- Skin Irrit 2;H315- Eye Irrit 2;H319- Asp Tox 1;H304

The full texts for Hazard statements are listed in Section 16.

Section 4. First aid measures

4.1 Description of 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

The most important known symptoms and effects are described in the labelling section 2.2, and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see section 4.1 for further information

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.

In case of fire, may be liberated: carbon monoxide, unidentified organic compounds.

5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. – No smoking.

7.2 Conditions for safe storage, including any incompatibilities.

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

7.3 Specific end use(s):

Use in accordance with good manufacturing and industrial hygiene practises.

Section 8. Exposure controls/personal protection

8.1 Control Parameters

Workplace exposure limits:

Ingredient	CAS	EC	STD	TWA – 8 Hrs	STEL- 15 Min	Reference
Petroleum Gases Liquefied	6847 6-85-7	270-704-2	WEL	1000 ppm 1750 mg.m ³	1250ppm 2180 mg.m ³	UK EH40 Dec 2011
Ethyl alcohol	64-17-5	200-578-6	WEL	1000 ppm 1290 mg.m ³		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

ASTRAL CSL	
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

REV 4.1

MAY 2016

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	Cranberry 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	No data available
(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 extreme heat

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.

Ethyl Alcohol:

Acute Toxicity

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

Skin – Rabbit No skin irritation – 24 h

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes – Rabbit Moderate eye irritation

(OECD Test Guidelines 405)

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

May cause an allergic skin reaction.

Assumed Toxicity Value (LD50 or ATE) for Acute Oral Toxicity: >5000

Assumed Toxicity Value (LD50 or ATE) for Acute Dermal Toxicity: >5000

Assumed Toxicity Value (LC50 or ATE) for Acute Inhalation Toxicity: Not Available

Inhalation Route: Not Available

Information about hazardous ingredients in the mixture

Not Applicable

Refer to Sections 2 and 3 for additional information.

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

AEROSOLS

14.3 Transport Hazard Class(es)

ADR/RID/AND Class	2.1
ADR/RID/AND Class	Class 2: Gases
ADR Label No	2.1 & 6.1

ASTRAL CSL	
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.

REV 4.1

MAY 2016



14.4 Packing Group

Not Applicable

14.5 Environmental Hazards

Not environmentally hazardous for transport

14.6 Special Precautions for user

None additional

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.

15.2 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
H226	Flammable liquid and vapour
H315	Causes skin irritation.
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation

H335	Causes skin 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
H412	Harmful to aquatic life with long lasting effects

Abbreviations

Flam Gas 1	Flammable Gas Category 1
Flam Liq 2	Flammable Liquid Category 2
Flam Liq 3	Flammable Liquid Category 3
Skin Irrit 2	Skin irritant category 2
Skin Sens 1	Skin Sensitivity Category 1
Eye Irrit 2	Eye irritant category 2
Aquatic Acute 1	Acute (Short Term) Aquatic Hazard Category 1
Aquatic Chronic 1	Chronic (Long Term) Aquatic Hazard Category 1
Aquatic Chronic 2	Chronic (Long Term) Aquatic Hazard Category 2
Aquatic Chronic 3	Chronic (Long Term) Aquatic Hazard Category 3
STOT SE 3	Single Target Organ Toxicity Single Exposure 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

ISSUE: REV4
REVISION DATE: MAY 2016
REVIEW DATE: JULY 2017

DISCLAIMER

The Information provided herein, especially recommendations for the usage and the application of this products, is provided in good faith, and no liability on the part of Astral CSL is stated or implied. No employee of Astral CSL has the authority to waive or alter in any way the content of this document.

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