

Infosafe No™ 6AC8J	Issue Date : January 2014	ISSUED by SCAHYGIE
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Product Name : **PURE AIR - GENTLE AURA**

Classified as hazardous

1. Identification

GHS Product Identifier	PURE AIR - GENTLE AURA
Product Code	2170112
Company Name	SCA AUSTRALASIA - PROFESSIONAL HYGIENE
Address	30-32 Westall Road Springvale Victoria 3171 Australia
Telephone/Fax Number	Tel: +61 3 9550 2999 Fax: +61 3 9547 8165
Emergency phone number	+61 3 9550 2999 (BH)
Recommended use of the chemical and restrictions on use	Fragranced metered aerosol space sprays designed for use in proprietary automated dispensers.

2. Hazard Identification

Classification of the substance or mixture Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Signal Word (s) Flammable Aerosol: Category 1
Eye Damage/Irritation: Category 2A
Danger

Hazard Statement (s) H222 Extremely flammable aerosol.
H319 Causes serious eye irritation.

General Precautionary Statement (s) P102 Keep out of reach of children.
P103 Read label before use.
P104 Read Safety Data Sheet before use.

Pictogram (s) Exclamation mark, Flame



Precautionary statement - Prevention P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P211 Do not spray on an open flame or other ignition source.
P251 Pressurized container: Do not pierce or burn, even after use.
P264 Wash skin thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement - Response EYE
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.

Precautionary statement - Storage P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

3. Composition/information on ingredients

Information on Composition Mixture of organic solvents, perfume and propane/iso-butane (propellant).

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Propellant - Propane	74-98-6	10-<30 %
	Propellant - Butane	106-97-8	10-<30 %
	Propan-2-ol	67-63-0	5-15 %
	Ethanol	64-17-5	5-15 %
	Dipropylene glycol	25265-71-8	5-15 %

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Ingredients	Name	CAS	Proportion
	Hexylene glycol	107-41-5	1-<10 %
	Diethylene glycol monomethyl ether	111-90-0	1-<5 %
	Ingredients determined not to be hazardous		Balance.

4. First-aid measures

Inhalation	If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist seek medical attention.
Ingestion	Unlikely due to form of product. If ingestion occurs, do not induce vomiting. Wash out mouth and lips with water. Where vomiting occurs naturally have affected person place head below hip level in order to reduce risk of aspiration. Seek immediate medical attention.
Skin	Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
Eye contact	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing for several minutes until all contaminants are washed out completely. Seek medical attention.
First Aid Facilities	Eye wash station and normal washroom facilities.
Advice to Doctor	Treat symptomatically.
Other Information	For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126) or a doctor at once.

5. Fire-fighting measures

Suitable extinguishing media	Use carbon dioxide, dry chemical, foam, water fog or water mist.
Unsuitable Extinguishing Media	Do not use water jet.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes and gases including carbon monoxide and carbon dioxide.
Specific hazards arising from the chemical	Contents under pressure - cans can explode in a fire. This product is extremely flammable. Keep containers and fire-exposed surfaces cool with water spray. Shut off any leak if safe to do so and remove sources of re-ignition. Vapour/air mixtures may ignite explosively. Flashback along the vapour trail may occur. Runoff to sewer may create fire or explosion hazard.
Hazchem Code	2YE
Decomposition Temp.	Not available
Precautions in connection with Fire	Fire fighters to wear Self-Contained Breathing Apparatus (S.C.B.A) and full protective clothing if risk of exposure to vapour or products of combustion to minimise skin and eye exposure.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures	Extinguish or remove all sources of ignition and stop leak if safe to do so. Wear appropriate personal protective equipment and clothing to prevent exposure. Evacuate all unprotected personnel. Water spray or fog may be used to disperse/absorb vapour if any. Place inert, Non combustible absorbent material onto spillage. If safe, damaged cans should be placed in a container outdoors, away from ignition sources, until pressure has dissipated. Undamaged cans should be gathered and stowed safely. Collect residues and seal in labelled drums for disposal. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations. Dispose of waste according to applicable local and national regulations.
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7. Handling and storage

Precautions for Safe Handling	Wear appropriate personal protective equipment and clothing to prevent exposure. Handle and use the material in a well-ventilated area, away from sparks, flames and other ignition sources. DO NOT store or use in confined spaces. Have emergency equipment (for fires, spills, leaks, etc.) readily
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Conditions for safe storage, including any incompatibilities

available. Build up of mists or vapours in the atmosphere must be prevented. Do not spray on a naked flame or any incandescent material. Do NOT puncture, burn, cut or heat containers as they may contain hazardous residues. Do not smoke. Flameproof equipment is necessary in areas where the product is being used. Take precautionary measures against static discharges. Earth or bond all equipment. Do not empty into drains. Ensure a high level of personal hygiene is maintained when using this product, that is, always wash hands before eating, drinking, smoking or using the toilet facilities.

Store in a cool, dry, well ventilated area away from sources of ignition, oxidising agents, foodstuffs, clothing and out of direct sunlight. Do not expose can to temperatures exceeding 50°C. Protect containers against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Do NOT pressurise, cut or heat aerosol containers. Content is under pressure and can explode violently. Ensure that storage conditions comply with applicable local and national regulations.

8. Exposure controls/personal protection

Occupational exposure limit values

No exposure value assigned for this material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

Safe Work, Australia Exposure Standards:

Substance	TWA		STEL		NOTES
	ppm	mg/m ³	ppm	mg/m ³	
Ethanol	1000	1880	-	-	-
Propan-2-ol	400	983	500	1230	-
Butane	800	1900	-	-	-
Hexylene glycol	25	121	-	-	Peak Limitation

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Peak Limitation: A ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes.

Biological Limit Values

Biological Exposure Indices (BEI) from American Conference of Industrial Hygienists (ACGIH) for ingredients are as follows:

Determinant	Sampling Time	(BEI)
2-PROPANOL [67-63-0]		
Acetone in urine	End of shift at end of workweek	40 mg/L

Appropriate engineering controls

Provide sufficient ventilation to keep airborne levels below the exposure limits. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a flameproof exhaust ventilation system is required. Refer to AS 1940 - The storage and handling of flammable and combustible liquids and AS/NZS 60079.10.1:2009 Explosive atmospheres - Classification of areas - Explosive gas atmospheres, for further information concerning ventilation requirements.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable mist/organic vapour filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection

Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

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Body Protection Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. Physical and chemical properties

Appearance	Clear aerosol (liquid).
Colour	Colourless
Odour	Fragrant odour
Decomposition Temperature	Not available
Melting Point	Not available
Boiling Point	59°C (liquid concentrate)
Solubility in Water	Partly miscible.
Solubility in Organic Solvents	Not available
Specific Gravity	0.924 (liquid concentrate)
pH	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	>1
Evaporation Rate	>1 (n-Butyl acetate=1)
Odour Threshold	Not available
Viscosity	Not available
Partition Coefficient: n-octanol/water	Not available
Flash Point	-104.4°C (closed cup) (propellant - propane) -60°C (close cup) (propellant - butane) 21°C (liquid concentrate)
Flammability	Extremely flammable aerosol.
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	1.9% (liquid concentrate)
Flammable Limits - Upper	9.5% (liquid concentrate)

10. Stability and reactivity

Reactivity	Reacts with incompatible materials.
Chemical Stability	Stable under normal conditions of storage and handling.
Conditions to Avoid	Keep away from heat, sparks, open flames and other ignition sources. Aerosol cans may rupture when heated. Aerosol containers are unstable at temperatures above 50°C.
Incompatible Materials	Oxidising agents and strong acids.
Hazardous Decomposition Products	Thermal decomposition may result in the release of toxic and/or irritating fumes including carbon monoxide and carbon dioxide.
Possibility of hazardous reactions	May react with strong oxidising agents and acids.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

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Toxicology Information	No toxicity data available for this material.
Ingestion	Ingestion unlikely due to form of product. Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Inhalation	Inhalation of product vapours may cause irritation of the nose, throat and respiratory system. Propane and Butane are asphyxiant gases which when present in an atmosphere in high concentration, leads to reduction of oxygen concentration by displacement or dilution. Symptoms include decreased visual acuity, decreased coordination and judgment, headache, dizziness, confusion, drowsiness, fatigue, shortness of breath, muscular weakness, convulsions, unconsciousness, coma and eventually death.
Skin	May be irritating to skin. The symptoms may include redness and itching.
Eye	Irritating to eyes. On eye contact this product will cause tearing, stinging, blurred vision, and redness.
Respiratory sensitisation	Not expected to be a respiratory sensitiser.
Skin Sensitisation	Not expected to be a skin sensitiser.
Germ cell mutagenicity	Not considered to be a mutagenic hazard.
Carcinogenicity	Not considered to be a carcinogenic hazard.
Reproductive Toxicity	Not considered to be toxic to reproduction.
STOT-single exposure	Not expected to cause toxicity to a specific target organ.
STOT-repeated exposure	Not expected to cause toxicity to a specific target organ through repeated exposure.
Aspiration Hazard	Not expected to be an aspiration hazard.
Other Information	Prolonged or repeated skin contact may cause defatting leading to dermatitis. Prolonged inhalation may cause central nervous system depression with symptoms including dizziness, drowsiness, nausea and headaches.

12. Ecological information

Ecotoxicity	No ecological data available for this material.
Persistence and degradability	Not available
Mobility	Not available
Bioaccumulative Potential	Not available
Environmental Protection	Prevent this material entering waterways, drains and sewers.

13. Disposal considerations

Disposal Considerations	Dispose of waste according to applicable local and national regulations. Do not pierce, burn, cut, puncture or weld on or near containers. Empty containers may contain hazardous residues. Empty the container completely before disposal. Contaminated containers must not be treated as household waste. Advise flammable nature
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14. Transport information

Transport Information	Road and Rail Transport (ADG Code): This material is classified as a Division 2.1 (Flammable Gases) Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road or Rail. (7th edition) Division 2.1 Dangerous Goods are incompatible in a placard load with any of the following: - Class 1, Explosives - Division 2.2 Non-flammable, Non toxic gas that have a subsidiary risk 5.1 except when all are packed in cylinders or pressure drums not exceeding 500L capacity.
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- Class 3, Flammable Liquids, if both the Division 2.1 and Class 3 dangerous goods are in tanks or other receptacles with a capacity individually exceeding 500L.
- Division 4.1, Flammable Solids
- Division 4.2, Spontaneously Combustible Substances
- Division 4.3, Dangerous When Wet Substances
- Division 5.1, Oxidising Agents
- Division 5.2, Organic Peroxides
- Class 7, Radioactive Substances

Marine Transport (IMO/IMDG):

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Proper Shipping Name: AEROSOLS

UN-No: 1950

Division: 2.1

EmS: F-D,S-U

Special Provisions: 63 190 277 327 344 959

Air Transport (ICAO/IATA):

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

Proper Shipping Name: Aerosols, flammable

UN-No: 1950

Division: 2.1

Packaging Instructions (cargo only): 203

Packaging Instructions (passenger & cargo): 203

Special Provisions: A145, A167, A802

1950

U.N. Number

UN proper shipping name AEROSOLS

Transport hazard class(es) 2.1

Hazchem Code 2YE

EPG Number 2D1

IERG Number 49

IMDG Marine pollutant No

15. Regulatory information

Regulatory Information Classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule Not Scheduled

16. Other Information

Date of preparation or last revision of SDS SDS Reviewed: January 2014
Supersedes: September 2004, December 2008

Literature References Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Model Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Workplace exposure standards for airborne contaminants, Safe work Australia.
American Conference of Industrial Hygienists (ACGIH).
Globally Harmonised System of classification and labelling of chemicals.
...End Of MSDS...

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