

Material Safety Data Sheet

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Infosafe No™ 6AC8J Issue Date : December 2008 ISSUED by SCAHYGIE

Product Name **PURE AIR - GENTLE AURA**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name PURE AIR - GENTLE AURA
Product Code 2170112
Company Name SCA AUSTRALASIA - AWAY FROM HOME
Address 30-32 Westall Road Springvale
Victoria 3171 Australia
Emergency Tel. +61 3 9550 2999 (BH)
Telephone/Fax Number Tel: +61 3 9550 2999
Fax: +61 3 9547 8165
Recommended Use Fragranced metered aerosol space sprays designed for use in proprietary automated dispensers.
Other Information NEW ZEALAND:
SCA Hygiene Australasia AFH
Level 1, 6 Alderman Drive
Henderson 8, Auckland
Phone: +64 9 837 6400 Fax: +64 9 837 0205
Emergency Advice: +64 9 837 6400 (BH) or Mobile: +61 404 480 387

2. HAZARDS IDENTIFICATION

Hazard Classification Australia:
Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

New Zealand:
Classified as Hazardous according to the Hazardous Substances (Minimum Degrees of Hazard) Regulations 2001, New Zealand.
Classified as Dangerous Goods for transport according to the NZS 5433:2007 Transport of Dangerous Goods on Land.

HSNO Classification:
2.1.2A - Flammable Aerosol.
6.1E - Substance that is acutely toxic if swallowed.
6.3B - Substance that is irritating to the skin.
6.4A - Substance that is irritating to the eye.

Hazard Statement Codes:
H222 Extremely flammable aerosol.
H303 May be harmful if swallowed.
H316 Causes mild skin irritation.
H320 Causes eye irritation.

Precautionary Statement Codes- Prevention:
P102 Keep out of reach of children. - This statement applies only where the substance is available to the general public.
P103 Read label before use. - This statement applies only where the substance is available to the general public.
P104 Read Safety Data Sheet before use.
P210 Keep away from heat, sparks, open flames and 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.
P280 Wear protective gloves, protective clothing and eye protection.

Precautionary Statement Codes- Response:
P101 If medical advice is needed, have product container or label at hand. - This statement applies only where the substance is available to the general public.
P312 Call a POISON CENTRE or doctor/physician if you feel unwell.
P331 Do NOT induce vomiting.
P302+P352 If ON SKIN: Wash with plenty of soap and water.
P332+P313 If skin irritation occurs: Get medical advice/attention.

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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 Codes - Storage:

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C.

Precautionary Statement Codes - Disposal:

P501 In the case of a substance that is in compliance with a HSN0 approval other than a Part 6A (Group Standards) approval, a label must provide a description of one or more appropriate and achievable methods for the disposal of a substance in accordance with the Hazardous Substances (Disposal) Regulations 2001. This may also include any method of disposal that must be avoided.

Risk Phrase(s)

R12 Extremely Flammable.

R36 Irritating to eyes.

Safety Phrase(s)

S16 Keep away from sources of ignition - No smoking.

S2 Keep out of reach of children.

S23(3) Do not breathe spray.

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S51 Use only in well ventilated areas.

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 - Butane	106-97-8	10-<30 %
Propellant - Propane	74-98-6	10-<30 %
Ethanol	64-17-5	5-15 %
Propan-2-ol	67-63-0	5-15 %
Dipropylene glycol	25265-71-8	5-15 %
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 to fresh area. Keep at rest until recovered. If symptoms persist seek medical attention.
Ingestion	Swallowing is unlikely for aerosol products. However, if swallowed do NOT induce vomiting. Wash out mouth with water. Do not give anything by mouth to an unconscious person. Seek medical attention.
Skin	If skin or hair contact occurs remove contaminated clothing and wash contaminated skin and hair with plenty of soap and running water. Wash contaminated clothing before re-use. If irritation occurs seek medical advice.
Eye	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed off completely. Seek medical attention.
First Aid Facilities	Eye wash station and normal washroom facilities.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable	Use dry chemical, foam, or carbon dioxide.
Extinguishing Media	Water spray (fog) may be used to cool fire exposed aerosol containers.

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Hazards from Combustion Products	Combustion products include smoke and oxides of carbon, and other oxides.
Specific Hazards	This product is extremely flammable. Vapours are heavier than air and will 'travel' to low-level areas e.g. sumps, drains, etc. and flashback. Precautions should be taken to eliminate the build up of explosive mixtures. Aerosol cans may rupture when heated. Pressurised container: Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn even after container is empty.
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

Emergency Procedures	Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert absorbent, non-combustible material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container for subsequent disposal. Dispose of waste according to the Environmental Protection Authority (EPA), federal, state and local regulations. If large quantities of this material enter the waterways contact the EPA, or your local Waste Management Authority.
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7. HANDLING AND STORAGE

Precautions for Safe Handling	Contents under pressure and can explode when exposed to heat or open flame. Caution!-Do not puncture or incinerate. Use in a well ventilated area. Avoid breathing in spray or mists or vapours. Keep container sealed when not in use. Do not use near welding or other ignition sources and avoid sparks. Do not smoke. When dealing with large quantities, repeated or prolonged skin exposure without protection should be prevented in order to lessen the possibility of skin disorders.
Conditions for Safe Storage	Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. It is recommended that aerosols are stored in their own location away from bulk flammable liquids, packaging materials, foodstuffs, strong acids and strong oxidising agents. Store in a cool, dry place away from heat and ignition sources. For information on the design of the storeroom reference should be made to Australian Standard AS1940, The storage and handling of flammable and combustible liquids and AS/NZS 2430.3.4 Classification of hazardous areas - Examples of area classification - Flammable gases. Reference should also be made to any relevant Commonwealth, State or Territory regulations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure standards have been established for the mixture by the National Occupational Health & Safety Commission (NOHSC), Australia or the Occupational Safety and Health Service (OSH) of the New Zealand Department of Labour. However, over-exposure to some chemicals may result in enhancement of pre-existing adverse medical conditions and/or allergic reactions and should be kept to the least possible levels. The available exposure standards for the ingredients are as follows:
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National Occupational Health And Safety Commission (NOHSC), 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

New Zealand Occupational Safety and Health Service (OSH) Workplace Exposure Standards:

Substance	TWA		STEL		NOTES
	ppm	mg/m ³	ppm	mg/m ³	

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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	-	-	Ceiling

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.

Ceiling: A concentration that should not be exceeded during any part of the working day.

No biological limit allocated.

Biological Limit Values

Engineering Controls

Good ventilation should be used. General room ventilation is normally sufficient. Where vapours or mists are generated, particularly in enclosed areas, and natural ventilation is inadequate, a local exhaust ventilation system is required.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

Eye Protection

Generally not required when used as directed however safety glasses with side shields should be worn if required. Final choice of appropriate eye/face protection will vary according to individual circumstances ie. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Skin protection is not required under normal conditions of use. However, for prolonged or repeated skin contact, impervious gloves are recommended. Final choice of appropriate gloves will vary according to individual circumstances ie. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.

Body Protection

Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear, colorless aerosol (liquid).
Odour	Fragrant odour
Melting Point	Not available
Boiling Point	59°C (liquid concentrate)
Solubility in Water	Partly miscible.
Specific Gravity	0.924 (liquid concentrate)
pH Value	Not available
Vapour Pressure	Not available
Vapour Density (Air=1)	>1

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Evaporation Rate	>1 (n-Butyl acetate=1)
Flash Point	-104.4°C (closed cup) (propellant - propane) -60°C (close cup) (propellant - butane) 21°C (liquid concentrate)
Flammability	EXTREMELY FLMMABLE GAS - (aerosol product under pressure containing hydrocarbon propellants). This product should be stored and used in a well ventilated area away from naked flames, sparks and other sources of ignition.
Auto-Ignition Temperature	Not available
Flammable Limits - Lower	1.9% (liquid concentrate)
Flammable Limits - Upper	9.5% (liquid concentrate)

10. STABILITY AND REACTIVITY

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.
Hazardous Reactions	May react with strong oxidising agents and acids.
Hazardous Polymerization	Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data is available for this specific product.
Inhalation	Vapours or mists generated in confined and/or poorly ventilated areas, may cause respiratory system irritation and central nervous system depression. The product may be considered a low health hazard unless inhaled in very high concentrations.
Ingestion	Not applicable by this route of exposure. Ingestion is unlikely for aerosol products. Ingestion of liquid concentrate may irritate the gastric tract causing nausea and vomiting.
Skin	May be irritating to skin. Skin exposure may result in redness and itching. Repeated or prolonged skin contact may lead to dermatitis.
Eye	Irritating to eyes. Direct eye contact, and exposure to mists and vapours may cause eye tearing, stinging, blurred vision, and redness.
Chronic Effects	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	Not available
Persistence / Degradability	Not available
Mobility	Not available
Environ. Protection	Prevent this material entering waterways, drains and sewers.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations	Dispose of waste according to Environmental Protection Authority, federal and state regulations.
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14. TRANSPORT INFORMATION

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Product Name **PURE AIR - GENTLE AURA****Transport Information****AUSTRALIA**

This material is classified as a Class 2.1 Dangerous Good according to the Australian Code for the Transport of Dangerous Goods. Class 2.1 Flammable Gases shall not be loaded or packed in the same vehicle or freight as:

- Class 1, Explosives,
- Class 3, Flammable Liquids (If both the Class 2.1 and Class 3 dangerous goods are in bulk),
- Class 4.1, Flammable Solids,
- Class 4.2, Spontaneously Combustible Substances,
- Class 4.3, Dangerous When Wet Substances,
- Class 5.1, Oxidising Agents,
- Class 5.2, Organic Peroxides and
- Class 7, Radioactive Substances.

NEW ZEALAND

This material is classified as a Class 2.1 - Flammable Gas according to NZS 5433:1999 Transport of Dangerous Goods on Land.

Must not be loaded in the same freight container or on the same vehicle with:

- Class 1, Explosives,
- Class 2.3, Toxic gases,
- Class 3, Flammable liquids,
- Class 4.2, Spontaneously combustible substances,
- Class 4.3, Dangerous when wet substances,
- Class 5.1, Oxidising substances,
- Class 5.2, Organic peroxides,
- Class 7, Radioactive materials unless specifically exempted.

Must not be loaded with in the same freight container; and on the same vehicle must be separated horizontally by at least 3 metres unless all but one are packed in separate freight containers with:

- Class 4.1, Flammable solids

U.N. Number

1950

Proper Shipping Name

AEROSOLS

DG Class

2.1

Packaging Method**Packing Group****EPG Number**

2D1

IERG Number

49

15. REGULATORY INFORMATION**Regulatory Information****Australia:**

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

Poisons Schedule

Not Scheduled

National and or International Regulatory Information**New Zealand:**

Classified as Hazardous according to the Hazardous Substances (Minimum degrees of hazard) Regulations 2001.

Group Standard:

Aerosols (Flammable) Group Standard 2006

HSNO Approval Number: HSR002515.

Hazard Category

Irritant, Extremely Flammable

16. OTHER INFORMATION**Date of preparation or last revision of MSDS**

MSDS Reviewed: December 2008

Supersedes: September 2004

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...End Of MSDS...

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