



**MATERIAL SAFETY DATA SHEET**  
**(Aerosol) - Odour Eliminator with silver biocide**

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

**Product Name** (Aerosol) - Odour Eliminator with silver biocide  
**Product No.** A234-1  
**Proper Shipping Name** AEROSOLS

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Application:** Air Freshener  
**Uses Advised Against** For professional use only. This product is not recommended for any industrial, professional or consumer use other than the Identified uses above.

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

**Supplier** Autosmart Australia  
11 Darrambal Close  
Rathmines  
NSW 2283  
Australia  
www.autosmartinternational.com  
Tel: 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST) (General Information. Transport Information. Mild Medical Information)  
autosmart@autosmartaustralia.com.au  
**Contact Person** Mr. Russell Butler

**1.4. Emergency telephone number**

Emergency No: +44 7808 971321 (24hrs) (Autosmart International, UK)  
General Information. Transport Information. Mild medical Information:-  
Tel: 02 49 75 14 88 (Mon to Fri, 08:00 - 16:00 AEST)

**SECTION 2: HAZARDS IDENTIFICATION**

<b>Risk Phrases</b>	R12	Extremely flammable.
	R67	Vapours may cause drowsiness and dizziness.
<b>Safety Phrases</b>	A1	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
	A2	Do not spray on a naked flame or any incandescent material.
	S2	Keep out of the reach of children.
	S9	Keep container in a well-ventilated place.
	S16	Keep away from sources of ignition - No smoking.
	S23	Do not breathe vapour/spray.
	S51	Use only in well-ventilated areas.
	S35	This material and its container must be disposed of in a safe way.

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

**Physical and Chemical Hazards**  
Aerosol containers can explode when heated, due to excessive pressure build-up. The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

**2.2. Label elements**

**Labelling**

**(Aerosol) - Odour Eliminator with silver biocide**

Extremely flammable

**Risk Phrases**

R12 Extremely flammable.  
R67 Vapours may cause drowsiness and dizziness.

**Safety Phrases**

A1 Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.  
A2 Do not spray on a naked flame or any incandescent material.  
S2 Keep out of the reach of children.  
S9 Keep container in a well-ventilated place.  
S16 Keep away from sources of ignition - No smoking.  
S23 Do not breathe vapour/spray.  
S51 Use only in well-ventilated areas.  
S35 This material and its container must be disposed of in a safe way.

**2.3. Other hazards**

This product does not contain any PBT or vPvB Substances.

**Statement Of Hazardous Nature**

HAZARDOUS SUBSTANCE (According to criteria of NOHSC). DANGEROUS GOODS (According to ADG Code).

**ADR Class** Class 2: Gases

**UN No. Road** 1950

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

<b>BUTANE</b>	<b>30-60%</b>
<b>CAS-No.: 106-97-8</b>	<b>EC No.: 203-448-7</b>
Classification (EC 1272/2008) Flam. Gas 1 - H220	Classification (67/548) F+;R12
<b>PROPAN-2-OL</b>	<b>15-20%</b>
<b>CAS-No.: 67-63-0</b>	<b>EC No.: 200-661-7</b>
	<b>Registration Number: 01-2119457558-25-xxxx</b>
Classification (EC 1272/2008) Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548) F;R11 Xi;R36 R67
<b>Diethyl Phthalate</b>	<b>0.1-0.2%</b>
<b>CAS-No.: 84-66-2</b>	<b>EC No.: 201-550-6</b>
Classification (EC 1272/2008) Not classified.	Classification (67/548) Not classified.

The Full Text for all R-Phrases and Hazard Statements is Displayed in Section 16.

**SECTION 4: FIRST AID MEASURES****Susdp First Aid Instructions**

For advice, contact a Poisons Information Centre (Phone 13 1126) or a doctor.

If swallowed, do NOT induce vomiting.

**(Aerosol) - Odour Eliminator with silver biocide****4.1. Description of first aid measures****General information**

NOTE! Keep affected person away from heat, sparks and flames!

**Inhalation**

General first aid, rest, warmth and fresh air. Get medical attention if any discomfort continues.

**Ingestion**

Remove victim immediately from source of exposure. Rinse mouth thoroughly. DO NOT induce vomiting. Get medical attention immediately.

**Skin contact**

Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**Eye contact**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

**4.2. Most important symptoms and effects, both acute and delayed****General information**

The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

**Inhalation**

In case of overexposure, organic solvents may depress the central nervous system causing dizziness and intoxication, and at very high concentrations unconsciousness and death.

**Ingestion**

May cause discomfort if swallowed. Dizziness. Nausea, vomiting. Fumes from the stomach contents may be inhaled resulting in the same symptoms as inhalation.

**Skin contact**

Prolonged contact may cause redness, irritation and dry skin.

**Eye contact**

May cause temporary eye irritation. Prolonged contact may cause redness and/or tearing.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

**SECTION 5: FIREFIGHTING MEASURES****5.1. Extinguishing media****Extinguishing media**

Use: Powder. Alcohol resistant foam. Carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Cool aerosol containers exposed to heat with water spray and remove container, if no risk is involved.

**5.2. Special hazards arising from the substance or mixture****Hazardous Combustion Products**

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**Unusual Fire & Explosion Hazards**

Aerosol cans may explode in a fire. HIGHLY FLAMMABLE!

**Specific hazards**

Aerosol containers can explode when heated, due to excessive pressure build-up. Fire creates: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO). Nitrous gases (NO<sub>x</sub>).

**5.3. Advice for firefighters****Special Fire Fighting Procedures**

Ventilate closed spaces before entering them. Move container from fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Do not scatter spilled material with more water than needed to fight the fire. Be aware of danger for fire to re-start. Keep run-off water out of sewers and water sources. Dike for water control. Containers close to fire should be removed or cooled with water. Be aware of danger of explosion. Fight advanced or massive fires from safe distance or protected location.

**Protective equipment for fire-fighters**

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

For personal protection, see section 8.

**(Aerosol) - Odour Eliminator with silver biocide****6.2. Environmental precautions**

Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

**6.3. Methods and material for containment and cleaning up**

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labelled container.

**6.4. Reference to other sections**

See section 11 for additional information on health hazards. For personal protection, see section 8. For waste disposal, see section 13.

**SECTION 7: HANDLING AND STORAGE****7.1. Precautions for safe handling**

Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Read and follow manufacturer's recommendations. During application and drying, solvent vapours will be emitted. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented.

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

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Store in a dry place. Keep away from heat, sparks and open flame. Pressurised container: Must not be exposed to temperatures above 50°C. Store in closed original container at temperatures between 5°C and 30°C.

**Storage Class**

Flammable compressed gas storage.

**7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
BUTANE	NOHSC	800 ppm	1900 mg/m <sup>3</sup>			
Diethyl Phthalate	NOHSC		5 mg/m <sup>3</sup>			
PROPAN-2-OL	NOHSC	400 ppm	983 mg/m <sup>3</sup>	500 ppm	1230 mg/m <sup>3</sup>	

NOHSC = The National Occupational Health and Safety Commission.

**PROPAN-2-OL (CAS: 67-63-0)****DNEL**

Industry	Inhalation.	Long Term	Systemic Effects	500 mg/m <sup>3</sup>
Consumer	Dermal	Long Term	Systemic Effects	319 mg/kg/day
Consumer	Oral	Long Term	Systemic Effects	26 mg/kg/day
Consumer	Inhalation.	Long Term	Systemic Effects	89 mg/m <sup>3</sup>
Industry	Dermal	Long Term	Systemic Effects	888 mg/kg/day

**PNEC**

Freshwater	140.9	mg/l
Marinewater	140.9	mg/l
Intermittent release	140.9	mg/l
Sediment (Freshwater)	552	mg/kg
Sediment (Marinewater)	552	mg/kg
STP	2251	mg/l
Soil	28	mg/kg

**8.2. Exposure controls****Protective equipment**

**(Aerosol) - Odour Eliminator with silver biocide****Process Conditions**

Provide eyewash station.

**Engineering measures**

Observe occupational exposure limits and minimize the risk of inhalation of vapours. No specific ventilation requirements noted, except this product must not be used in a confined space without good ventilation.

**Respiratory equipment**

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

**Hand protection**

No specific hand protection noted, but gloves may still be advisable. For prolonged or repeated skin contact use suitable protective gloves. Be aware that the liquid may penetrate the gloves. Frequent change is advisable. Use protective gloves made of: Neoprene, nitrile, polyethylene or PVC. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

**Eye protection**

Not relevant.

**Other Protection**

Wear appropriate clothing to prevent repeated or prolonged skin contact.

**Hygiene measures**

DO NOT SMOKE IN WORK AREA! When using do not eat, drink or smoke. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Appearance</b>	Aerosol. Clear liquid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Characteristic. Pleasant, agreeable.
<b>Solubility</b>	Immiscible with water
<b>Boiling Point (°C)</b>	~100 @ 760 mm Hg
<b>Melting point (°C)</b>	~ 0
<b>Relative density</b>	1.000 20
<b>Vapour density (air=1)</b>	1.5 - 2.1
<b>Vapour pressure</b>	590 - 1760 kPa @ 45 °C
<b>Evaporation rate</b>	Not available.
<b>pH-Value, Conc. Solution</b>	Not applicable.
<b>pH-Value, Diluted Solution</b>	Not applicable.
<b>Viscosity</b>	Not determined.
<b>Decomposition temperature (°C)</b>	Not available.
<b>Odour Threshold, Lower</b>	Not available.
<b>Odour Threshold, Upper</b>	Not available.
<b>Flash point (°C)</b>	< -20°C CC (Closed cup).
<b>Auto Ignition Temperature (°C)</b>	365
<b>Flammability Limit - Lower(%)</b>	1.8
<b>Flammability Limit - Upper(%)</b>	9.5
<b>Partition Coefficient (N-Octanol/Water)</b>	2.3 - 2.8
<b>Oxidising properties</b>	Not applicable.
<b>Other Information</b>	Information declared as "Not available" or "Not applicable" is not considered to be justified for enabling proper control measures to be taken.

**9.2. Other information**

**Volatile Organic Compound (VOC)** 564 g/litre

## SECTION 10: STABILITY AND REACTIVITY

**(Aerosol) - Odour Eliminator with silver biocide****10.1. Reactivity**

No specific reactivity hazards associated with this product.

**10.2. Chemical stability**

Stable under normal temperature conditions and recommended use. Avoid Heat, sparks, flames. Shocks and physical damage.

**10.3. Possibility of hazardous reactions**

Not applicable.

**Hazardous Polymerisation**

Will not polymerise.

**10.4. Conditions to avoid**

Avoid heat, flames and other sources of ignition.

**10.5. Incompatible materials****Materials To Avoid**

Strong alkalis. Strong acids. Strong oxidising substances.

**10.6. Hazardous decomposition products**

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrous gases (NO<sub>x</sub>).

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Other Health Effects**

This substance has no evidence of carcinogenic properties.

**Skin Corrosion/Irritation****Human Skin Model Test**

Scientifically unjustified.

**Extreme pH**

Scientifically unjustified.

**General information**

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Inhalation**

Vapour may irritate respiratory system or lungs. Vapours may cause drowsiness and dizziness.

**Ingestion**

May cause discomfort if swallowed.

**Skin contact**

May cause defatting of the skin, but is not an irritant.

**Eye contact**

Spray and vapour in the eyes may cause irritation and smarting.

**Health Warnings**

Because of quantity and composition, the health hazard is small. No specific acute or chronic health impact noted, but this chemical may still have adverse impact on human health, either in general or on certain individuals with pre-existing or latent health problems.

**Route of entry**

Inhalation.

**Medical Symptoms**

No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals.

**Medical Considerations**

Skin disorders and allergies.

**(Aerosol) - Odour Eliminator with silver biocide****SECTION 12: ECOLOGICAL INFORMATION****Ecotoxicity**

No negative effects on the aquatic environment are known.

**12.1. Toxicity****Acute Toxicity - Fish**

Not determined.

**Acute Toxicity Aquatic Invertebrates**

Not determined.

**Acute Toxicity - Aquatic Plants**

Not determined.

**Acute Toxicity - Microorganisms**

Not determined.

**Acute Toxicity - Terrestrial**

Not determined.

**12.2. Persistence and degradability****Degradability**

Volatile substances are degraded in the atmosphere within a few days.

**12.3. Bioaccumulative potential****Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating.

**Partition coefficient** 2.3 - 2.8

**12.4. Mobility in soil****Mobility:**

Not relevant, due to the form of the product.

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

This product does not contain any PBT or vPvB Substances.

**12.6. Other adverse effects**

Not applicable.

**SECTION 13: DISPOSAL CONSIDERATIONS****General information**

Do not puncture or incinerate even when empty. Empty aerosols should be recycled where facilities exist. Full or part full aerosols should be disposed of as hazardous waste in accordance with local authority requirements.

**13.1. Waste treatment methods**

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground. Packaging: Recover and reclaim or recycle, if practical.

**SECTION 14: TRANSPORT INFORMATION****14.1. UN number**

**UN No. Road** 1950

**UN No. Sea** 1950

**UN No., Air** 1950

**14.2. UN proper shipping name**

**Proper Shipping Name** AEROSOLS

**14.3. Transport hazard class(es)**

**ADR Class No.** 2.1

**ADR Class** Class 2: Gases

**ADR Label No.** 2.1

**(Aerosol) - Odour Eliminator with silver biocide**

IMDG Class 2.1

ICAO Class 2.1

Transport Labels

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Environmentally Hazardous Substance/Marine Pollutant

No.

**14.6. Special precautions for user**

EMS F-D, S-U

Tunnel Restriction Code (D)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

**SECTION 15: REGULATORY INFORMATION**

Poisons Schedule Number Allocated Poison Schedule Number - 5

**National Regulations And References**

National Code of Practice for the Storage and Handling of Workplace Dangerous Goods. Australian Dangerous Goods Code. The Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP). Exposure Standards for Atmospheric Contaminants in the Occupational Environment. National Code of Practice for the Preparation of Material Safety Data Sheets. National Code of Practice for the Labelling of Workplace Substances.

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU Legislation**

Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

**Health And Environmental Listings**

Regulation EC 689/2008 concerning the export and import of dangerous chemicals.

**Water hazard classification**

WGK 1

**15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

**SECTION 16: OTHER INFORMATION****General information**

This product has been manufactured under ISO 9001 and ISO 14001 Quality and Environmental Management Systems.  
Only trained personnel should use this material.

**Revision Comments**

NOTE: Lines within the margin indicate significant changes from the previous revision.



**(Aerosol) - Odour Eliminator with silver biocide**

<b>Issued By</b>	Prepared by Autosmart International Ltd, Lynn Lane, Shenstone, Lichfield, Staffordshire, WS14 0DH, Great Britain. www.autosmartinternational.com rbutler@autosmart.co.uk Tel +44 (0)1543 481616
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<b>Revision</b>	3
<b>Supersedes date</b>	16/11/2012
<b>Safety Data Sheet Status</b>	Approved.
<b>Risk Phrases In Full</b>	
R12	Extremely flammable.
R11	Highly flammable
R36	Irritating to eyes.
R67	Vapours may cause drowsiness and dizziness.
<b>Hazard Statements In Full</b>	
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

**Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.