



SAFETY DATA SHEET

(Aerosol) - Odour Eliminator with silver biocide

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

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 telephone 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

2.1. Classification of the substance or mixture

Classification

Physical hazards

Aerosol 1 - H222, H229

Health hazards

Eye Irrit. 2 - H319

Environmental hazards

Not classified.

Classification (67/548/EEC or 1999/45/EC)

F+;R12. R67.

Physicochemical

Aerosol containers can explode when heated, due to excessive pressure build-up. The product is highly flammable. Vapours may form explosive mixtures with air. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

2.2. Label elements

Pictogram



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

Danger

Hazard statements

H222 Extremely flammable aerosol.
 H229 Pressurised container: may burst if heated
 H319 Causes serious eye irritation.

Precautionary statements

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 Pressurized container: Do not pierce or burn, even after use.
 P264 Wash contaminated skin thoroughly after handling.
 P280 Wear protective gloves.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.

Supplemental label information

BPR001 Use biocides safely. Always read the label and product information before use.

Supplementary precautionary statements

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.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS	60-100%
CAS number: 68476-85-7 EC number: 270-704-2 REACH registration number: Exempt - Article 2(7)(b) Substance with a Community workplace exposure limit.	
Classification Flam. Gas 1 - H220 Press. Gas, Liquefied - H280	Classification (67/548/EEC or 1999/45/EC) F+;R12.
PROPAN-2-OL	15-20%
CAS number: 67-63-0 EC number: 200-661-7 REACH registration number: 01-2119457558-25-xxxx Substance with a Community workplace exposure limit.	
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	Classification (67/548/EEC or 1999/45/EC) F;R11 Xi;R36 R67
Diethyl Phthalate	0.1-0.2%
CAS number: 84-66-2 EC number: 201-550-6	
Classification Not classified.	Classification (67/548/EEC or 1999/45/EC) -

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

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Keep affected person away from heat, sparks and flames.

Inhalation

Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues.

Ingestion

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Remove affected person from source of contamination. Rinse mouth thoroughly with water. DO NOT induce vomiting. Get medical attention immediately.

Skin Contact

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

Eye contact

Remove any contact lenses and open eyelids wide apart. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. 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 dependent on 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

Notes for the doctor

No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguish with the following media: 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.

Hazchem Code

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Containers can burst violently or explode when heated, due to excessive pressure build-up. Fire creates: Carbon dioxide (CO₂). Carbon monoxide (CO). Nitrous gases (NO_x). Containers can burst violently or explode when heated, due to excessive pressure build-up. The product is highly flammable.

Hazardous combustion products

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

5.3. Advice for firefighters

Protective actions during firefighting

Ventilate closed spaces before entering them. Move containers 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. Risk of re-ignition after fire has been extinguished. Control run-off water by containing and keeping it out of sewers and watercourses. 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.

Special protective equipment for firefighters

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

For personal protection, see Section 8.

6.2. Environmental precautions

Environmental precautions

Do not discharge into drains or watercourses or onto the ground. Spillages or uncontrolled discharges into watercourses must

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be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible.

6.4. Reference to other sections

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

Usage precautions

Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable 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

Storage precautions

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Keep away from heat, sparks and open flame. Keep container dry. 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)

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

Occupational exposure limits

PETROLEUM GASES, LIQUEFIED; PETROLEUM GAS

Long-term exposure limit (8-hour TWA): 1000 ppm 1800 mg/m3
Carc. 1B

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): NOHSC 400 ppm 983 mg/m3
Short-term exposure limit (15-minute): NOHSC 500 ppm 1230 mg/m3

Diethyl Phthalate

Long-term exposure limit (8-hour TWA): NOHSC 5 mg/m3
Short-term exposure limit (15-minute): NOHSC

Carc. 1B = Presumed to have carcinogenic potential for humans.

NOHSC = The National Occupational Health and Safety Commission.

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

DNEL	Industry - Inhalation; Long term systemic effects: 500 mg/m3 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/m3 Industry - Dermal; Long term systemic effects: 888 mg/kg/day
PNEC	- Fresh water; 140.9 mg/l - Marine water; 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

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8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients. No specific ventilation requirements. This product must not be handled in a confined space without adequate ventilation.

Eye/face protection

Not relevant.

Hand protection

No specific hand protection recommended. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. It should be noted that liquid may penetrate the gloves. Frequent changes are recommended. Wear protective gloves made of the following material: Neoprene. Nitrile rubber. Polyethylene. Polyvinyl chloride (PVC). The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.

Other skin and body protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Provide eyewash station. 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.

Respiratory protection

No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance

Aerosol. Clear liquid.

Colour

Colourless.

Odour

Characteristic. Pleasant, agreeable.

Odour threshold

Not available. Not available.

pH

Not applicable. Not applicable.

Melting point

~ 0°C

Initial boiling point and range

~100 @°C @ 760 mm Hg

Flash point

< -20°C CC (Closed cup).

Evaporation rate

Not available.

Flammability Limit - Lower(%)

Lower flammable/explosive limit: 1.8 % Upper flammable/explosive limit: 9.5 %

Vapour pressure

590 - 1760 kPa @ °C

Vapour density

1.5 - 2.1

Relative density

1.000 @ 20°C

Solubility Value (g/100g H₂O 20°C)

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Immiscible with water.

Partition coefficient

: 2.3 - 2.8

Auto-ignition temperature

365°C

Decomposition Temperature

Not available.

Viscosity

Not determined.

Oxidising properties

Not applicable.

Comments

Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

9.2. Other information**Volatile organic compound**

This product contains a maximum VOC content of 564 g/litre.

SECTION 10: Stability and reactivity**10.1. Reactivity**

There are no known reactivity hazards associated with this product.

10.2. Chemical stability**Stability**

Stable at normal ambient temperatures and when used as recommended. Avoid the following conditions: Heat, sparks, flames. Shocks and physical damage.

10.3. Possibility of hazardous reactions

Not applicable. 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 agents.

10.6. Hazardous decomposition products

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x).

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Other health effects**

There is no evidence that the product can cause cancer.

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/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.

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Eye contact

Vapour or spray in the eyes may cause irritation and smarting.

Acute and chronic health hazards

Because of the product's quantity and composition, the health hazard is regarded as low. 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.

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

Persistence and degradability

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

12.3. 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 applicable.

12.5. Results of PBT and vPvB assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Not applicable.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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.

Disposal methods

Empty containers must not be punctured or incinerated because of the risk of an explosion. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Avoid the spillage or runoff entering drains, sewers or watercourses. Packaging: Reuse or recycle products wherever possible.

SECTION 14: Transport information

14.1. UN number

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UN No. Road 1950
 UN No. Sea 1950
 UN No., Air 1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID) AEROSOLS
 Proper shipping name (IMDG) AEROSOLS
 Proper shipping name (ICAO) AEROSOLS
 Proper shipping name (ADN) AEROSOLS

14.3. Transport hazard class(es)

ADR Class No. 2.1
 ADR/RID subsidiary risk
 ADR/RID label 2.1
 IMDG Class 2.1
 IMDG subsidiary risk
 ICAO Class 2.1
 ICAO subsidiary risk
 Transport labels

**14.4. Packing group**

Not applicable.

ADR Pack Group

IMDG packing group

Air Pack Gr.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS F-D, S-U

Emergency Action Code

Hazard Identification Number (ADR/RID)

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

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and Directive 91/689/EEC on hazardous waste with amendments.

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) (as amended). 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 (as amended).

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Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.

Health and environmental listings

Regulation (EC) 689/2008 of the European Parliament and of the Council of 17 June 2008 concerning the export and import of dangerous chemicals (as amended).

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.

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Revision date 16/11/2012

Revision 3

Supersedes date 28/09/2012

SDS status Temporarily approved for use for 3 months.

Risk phrases in full

R11 Highly flammable.
R12 Extremely flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

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
H280 Contains gas under pressure; may explode if heated.
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.