



Armor All Vent Style Air Fresheners

Safety Data Sheet

1. Identification of Substance and Company

Product Name:	ARMOR ALL Vent Style Air Fresheners
Other Names:	None
HSNO Approval:	HSR002574, Food Additives and Fragrance Materials (Combustible) Group Standard 2006
Proper Shipping name	Not applicable
DG class	NA
UN Number:	NA
Packaging group:	NA
Hazchem Code:	1T (recommended)
Uses:	Non aerosol bottles of fragrant oils.

Company Details

Company:	Spectrum Brands New Zealand Limited
Address:	Level one, 8 Hugo Johnson Drive, Penrose, 1061, Auckland, New Zealand
Telephone Number:	+64-9-571-7700
Emergency Telephone Number:	0800 764 766

2. Hazard Identification

Hazard Classifications

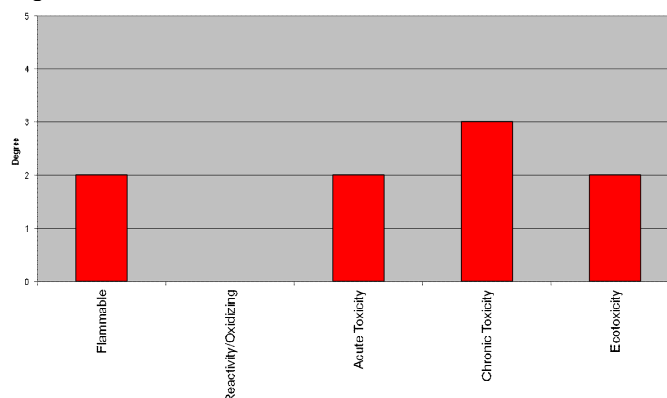
This product has been approved under the Hazardous Substances and New Organisms Act (HSNO, Approval HSR002574, Food Additives and Fragrance Materials (Combustible) Group Standard 2006), and is classified as follows:

Classes: 3.1D, 6.1E (oral), 6.3A, 6.4A, 6.5B, 6.8B, 6.9B, 9.1D, 9.3C.

Symbols:



Degree of hazard:



NOTE: Fragrance Compound: A multi component mixture of fragrance ingredients. The composition varies and the above classification is based on possible ingredients in the mixture.

Other classifications

There are no other Classifications that are known to apply.

Hazard and Precautionary Statements

Hazard Phrases	Combustible liquid. Harmful if swallowed. Causes skin irritation. Causes eye irritation. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child May cause damage to organs Harmful to aquatic life. Harmful to terrestrial vertebrates.
Precautionary Phrases	Read label before use. Keep away from flames and hot surfaces*. No smoking. Store in a well-ventilated place. Keep cool. Keep out of reach of children. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing vapours. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment.

Further precautionary statements can be found in Section 4 – First Aid.



Armor All Vent Style Air Fresheners

Safety Data Sheet

3. Composition/Information on Ingredients

Component	CAS/ Identification	Conc (%)
fragrance material	Proprietary - a multi component mixture of fragrance ingredients	100%
may contain D-Limonene (all isomers)	138-86-3	1-2.5%

This is a commercial product whose exact ratio of components may vary. Trace quantities of impurities are also likely.

4. First Aid

General Information

You should call the National Poisons Centre if you feel that you may have been harmed or irritated by this product. The number is 0800 764 766 (0800 POISON) (24 hr emergency service).

Recommended first aid facilities Ready access to running water is recommended. Accessible eyewash is recommended.

Exposure

Swallowed	IF SWALLOWED: Do NOT induce vomiting. Rinse mouth. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. If exposed or concerned: get medical advice.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Apply continuous irrigation with water for at least 15 minutes holding eyelids apart. If eye irritation persists: Get medical advice.
Skin contact	IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash before re-use.
Inhaled	Generally, inhalation of fumes is unlikely to result in adverse health effects. If coughing, dizziness or shortness of breath is experienced, remove the patient to fresh air immediately. If patient is unconscious, place in the recovery position (on the side) for transport and contact a doctor.

Advice to Doctor

Treat symptomatically.

5. Firefighting Measures

Fire and explosion hazards	This product has the potential to cause fire or to create an additional hazard during fire.
Suitable Extinguishing Substances	Carbon dioxide, extinguishing powder, foam, fog sprays, water jets.
Unsuitable extinguishing substances	Unknown.
Protective Equipment	No special measures are required.
Danger caused by material, its combustion products or gases produced	Only small amounts of decomposition products are expected from these products at temperatures normally achieved in fires. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water.
Hazchem Code	1T (recommended, HAZCHEM signage not required)

6. Accidental Release Measures

Containment	If greater than 1000L is stored, secondary containment and emergency plans to manage any potential spills must be in place. Prevent spillage from spreading or entering soil, waterways or drains.
Emergency procedures	The product is sold in small packages (8ml). Release from these is not usually a concern. For a large spill (>100L): Stop leak if safe/necessary; Isolate area. Collect spill – see below; Transfer to container for disposal. Dispose of according to guidelines below (Section 13).
Clean-up method	Small spills do not require any special clean up method. Collect bottles mechanically
Disposal	Mop up and collect recoverable material into labelled containers for recycling or salvage. Recycle containers wherever possible. This material may be suitable for approved landfill. Dispose of only in accord with all regulations.
Precautions	No special protective clothing is normally necessary.

7. Handling and Storage

Storage	Avoid storage of harmful substances with food. Store out of reach of children. Containers should be kept closed in order to minimise contamination. Keep from extreme heat and open flames. Avoid contact with incompatible substances as listed in Section 10.
Handling	Keep exposure to a minimum, and minimise the quantities kept in work areas. See section 8 with regard to personal protective equipment requirements.



Armor All Vent Style Air Fresheners

Safety Data Sheet

8. Exposure Controls/Personal Protection Equipment

Workplace Exposure Standards

A workplace exposure standard (WES) has not been established by WorkSafe NZ for this product. There is a general limit of 10mg/m³ for dusts and mists when limits have not otherwise been established.

NZ Workplace Exposure Standards (OSH, 2016).	Ingredient	WES- TWA	WES- STEL
	Fragrance material May contain the following: Dipropylene glycol methyl ether Acetic acid,phenylmethylester 2,6-Di-tert-butyl-p-cresol	See individual ingredients 100ppm, 606mg/m ³ 10ppm, 61mg/m ³ (ACGIH) 10mg/m ³	NA 150ppm, 909mg/m ³ NA NA

Engineering Controls

In industrial situations, it is expected that employee exposure to hazardous substances will be controlled to a level as far below the WES as practicable by applying the hierarchy of control required by the Health and Safety at Work Act (2015) and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016. Exposure can be reduced by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods. If you believe air borne concentrations of mists, dusts or vapours are high, you are advised to modify processes or increase ventilation

Personal Protective Equipment

Eyes	Protective eyewear is not normally necessary when using this product. However, it always prudent to use protective eyewear if splashes are likely.
Skin	Protective gloves and clothing are not normally necessary. However, it is prudent to wear gloves when handling chemicals in bulk or for an extended period of time.
Respiratory	Respirator is not required under normal use. Do not breathe concentrated vapour.

9. Physical and Chemical Properties

Appearance	colourless to pale yellow liquid, 8ml, in a clear glass bottle
Odour	various fragrances
pH	NA
Viscosity	no data
Vapour Pressure	0.43mmHg
Boiling Point	no data
Volatile Materials	100%
Softening/Melting Point	no data
Solubility	insoluble in water
Specific Gravity or Density	no data
Flash Point	>70-90°C
Danger of Explosion	NA
Auto-Ignition Temperature	no data
Upper & Lower Flammable Limits:	no data
Corrosiveness	non corrosive

10. Stability and Reactivity

Stability	This product is unlikely to react or decompose under normal storage conditions. This product will not undergo polymerisation reactions.
Conditions to be avoided	Containers should be kept closed in order to avoid contamination. Keep from extreme heat and open flames.
Incompatible materials	Avoid contact with strong acids, alkali or oxidizing agents.
Hazardous decomposition products	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen, and under some circumstances, oxides of nitrogen. Water.
Hazardous reactions	No specific hazards.

11. Toxicological Information

Summary

Limited data available on the mixture.

Supporting Data

Acute:	Oral	This mixture may be harmful if swallowed. Some of the ingredients present had LD ₅₀ between 300 and 2000mg/kg at higher concentrations.
	Dermal	No evidence of dermal toxicity.
	Inhaled	No evidence of acute inhalation toxicity. (see chronic toxicity)
	Eye	This mixture is an eye irritant.
	Skin	This mixture is a skin irritant.



Armor All Vent Style Air Fresheners

Safety Data Sheet

Chronic:	Sensitisation:	The fragrance material may contain some component that may cause skin sensitisation to sensitive individuals, e.g. D-limonene (all forms).
	Mutagenicity:	No evidence of mutagenicity for the mixture or any of its components.
	Carcinogenicity:	No evidence of carcinogenicity for the mixture.
	Reproductive / Developmental:	There may be some minor components present that are suspected reproductive toxicants (e.g. cyclamen aldehyde)
	Systemic:	Inhalation of vapour of this mixture may be irritating to the respiratory system. Long term inhalation of the concentrated vapour may affect the CNS and lungs.

Aggravation of Existing Conditions:	None known.
--	-------------

12. Ecological Data

Summary

This product is unlikely to be considered ecotoxic in water or to land-based animals.

Supporting Data

Aquatic	Limited data on the mixture. Some components may be harmful in the aquatic environment, none of the ingredients exhibit long term (chronic ecotoxicity)
Bioaccumulation	Not considered bioaccumulative.
Degradability	Considered rapidly degradable.
Soil	No evidence of soil toxicity.
Terrestrial Vertebrate	Animal-based acute toxicity data indicates low toxicity for terrestrial vertebrates. See acute toxicity.
Terrestrial Invertebrate	No evidence of terrestrial invertebrate toxicity for the mixture or any of its components.
Biocidal	The product is not designed as a biocide.

13. Disposal Considerations

Restrictions	There are no product-specific restrictions, however, local council and resource consent conditions may apply, including requirements of trade waste consents.
Disposal method	Dispose of residue and solutions that cannot be reused to sewer. If this is not possible dilute with water (at least 5 times as much water) and drain.
Contaminated Packaging	Rinse containers with water before disposal. Preferably re-cycle container, otherwise send to landfill or similar.

14. Transport Information

There are no specific restrictions for this product (not a dangerous good).

UN Number	NA	Proper Shipping Name	NA
Class(es)	NA	Packing group	NA
Precautions	NA	HAZCHEM code	1T (recommended)

15. Regulatory Information

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO). Approval code: HSR002574, Food Additives and Fragrance Materials (Combustible) Group Standard 2006.

Specific Workplace Controls (as per HSNO approval referenced to Controls Matrix)

Key workplace requirements are:	
SDS	To be available within 10 minutes in workplaces storing > any quantity.
Labelling	No removal of labels and/or decanting of product into other containers can occur.
Emergency plan	Required if > 1000L is stored.
Approved handler	Not required.
Tracking	Not required.
Bunding & secondary containment	Required if > 1000L is stored.
Signage	Required if > 10000L is stored in any one location.
Location test certificate	Not required.
Flammable zone	Not required.
Fire extinguisher	If > 500L present.

Note: The above workplace requirements apply if only this particular substance is present. The complete set of controls for a location will depend on the classification and total quantities of other substances present in that location.

Other Legislation

In New Zealand, the use of this product may come under the Resource Management Act and Regulations, the Health and Safety at Work Act 2015 and the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016, local Council Rules and Regional Council Plans.



Armor All Vent Style Air Fresheners

Safety Data Sheet

16. Other Information

Abbreviations	
ACGIH	American Conference of Industrial Hygienists, www.acgih.org
Approval Code	Approval HSR002574, Food Additives and Fragrance Materials (Combustible) Group Standard 2006 Controls, EPA. www.epa.govt.nz
CAS Number	Unique Chemical Abstracts Service Registry Number
Ceiling	Ceiling Exposure Value: The maximum airborne concentration of a biological or chemical agent to which a worker may be exposed at any time.
Controls Matrix	List of default controls linking regulation numbers to Matrix code (e.g. T1, I16).
EC₅₀	Ecotoxic Concentration 50% – concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species)
EPA	Environmental Protection Authority (New Zealand)
HAZCHEM Code	Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters
HSNO	Hazardous Substances and New Organisms (Act and Regulations)
IARC	International Agency for Research on Cancer
LEL	Lower Explosive Limit
LD₅₀	Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats).
LC₅₀	Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population (usually rats)
MSDS/SDS	Material Safety Data Sheet (or Safety Data Sheet)
PES	Prescribed Exposure Standard means a WES or a biological exposure standard that is prescribed in a regulation, a safe work instrument or an approval under HSNO (including group standards).
STEL	Short Term Exposure Limit - The maximum airborne concentration of a chemical or biological agent to which a worker may be exposed in any 15 minute period, provided the TWA is not exceeded
TWA	Time Weighted Average – generally referred to WES averaged over typical work day (usually 8 hours)
UEL	Upper Explosive Limit
UN Number	United Nations Number
WES	Workplace Exposure Standard - The airborne concentration of a biological or chemical agent to which a worker may be exposed during work hours (usually 8 hours, 5 days a week). The WES relates to exposure that has been measured by personal monitoring using procedures that gather air samples in the worker's breathing zone.
References	
Data	Unless otherwise stated comes from the EPA HSNO chemical classification information database (CCID).
WES 2016	The NZ Workplace Exposure Standards Effective from 2016, published by WorkSafe NZ and available on their web site – www.worksafe.govt.nz .
WES 2002	Workplace Exposure Standards published by the Occupational Safety and Health Service, Department of Labour, January 2002, ISBN 0-477-03660-0. These are the WES referred to under the Group Standard (HSNO approval) and may constitute a PES.
Other References	Suppliers MSDS
Review	
Date	Reason for Review
June 2012	Not applicable, new MSDS
November 2016	Change of logo and company name, HSE to HSAW, formatting.
Disclaimer	
<p>This SDS was prepared by Datachem LTD and is based on our current state of knowledge, including information obtained from suppliers. The SDS is given in good faith and constitutes a guideline (not a guarantee of safety). The level of risk each substance poses is relevant to its properties (as summarised in the SDS) AND HOW THE SUBSTANCE IS USED. While guidelines are given for personal protective equipment, such precautions must be relevant to the use. The likely HSNO classifications, are based on our experience, EPA Guidelines and international classifications. This SDS is copyright Datachem and must not be copied, edited or used for other than intended purpose. To contact the SDS author, email info@datachem.co.nz or phone: (09) 940 30 80.</p>	