



Armor All Carpet & Upholstery Cleaner

Material Safety Data Sheet

1. Identification of Substance and Company

Product Name:	ARMOR ALL Carpet & Upholstery Cleaner Aerosol
Other Names:	Not applicable
HSNO Approval:	HSR002519 Aerosols (Subsidiary Hazard) Group Standard 2006
UN Number:	1950
Packaging group:	III
Hazchem Code:	2Y
Uses:	Aerosol Carpet & Upholstery Cleaner

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

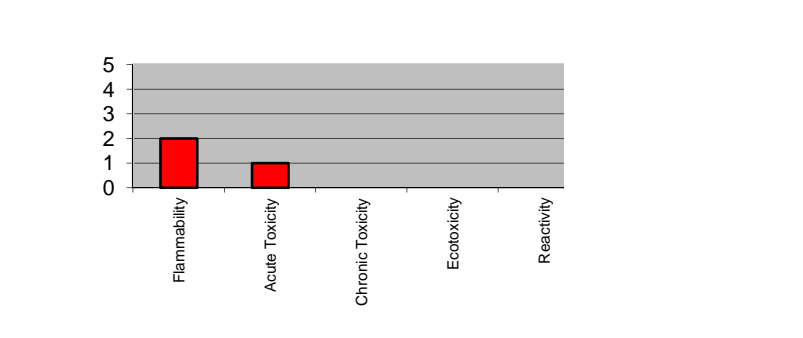
This product has been approved under the Hazardous Substances and New Organisms Act (HSNO, Approval HSR002530 Cleaning Products (Subsidiary Hazard) Group Standard 2006), and is classified as follows:

Classes 2.1.2A, 6.3B, 6.4A

Symbols:
DANGER



Degree of hazard:



Other classifications

ADG classification: class 2.1.

Hazard and Precautionary Statements

Hazard Statements	Extremely flammable aerosol. Causes mild skin irritation. Causes eye irritation.
Precautionary Statements	Read label before use. Keep away from ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash hands thoroughly after handling. Wear eye/face protection.
	Further precautionary statements can be found in Section 4 – First Aid.

3. Composition/Information on Ingredients

Component	CAS No	Proportion
Alkanes, C3-4 (propellants)	68475-59-2	5%
Nonionic surfactants	Proprietary	3-6%
Solvents	Proprietary	3-6%
Other ingredients	Proprietary	3-6%
Water	7732-18-5	Balance

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 (24 hr emergency service).

Recommended first aid facilities	Ready access to running water is required. Accessible eyewash is recommended.
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<i>Exposure</i>			
Swallowed	IF SWALLOWED: Do NOT induce vomiting. Give a glass of water to drink. Contact a doctor.		
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	IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. If patient is unconscious, place in the recovery position (on the side) for transport and contact a doctor. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.		
<i>Advice to Doctor</i>			
Treat symptomatically. Note the nature of this product.			
5. Firefighting Measures			
Fire and explosion hazards	This product is a flammable aerosol. 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.		
Unsuitable extinguishing substances	Unknown.		
Protective Equipment	Self-contained breathing apparatus. Safety boots, non-flammable overalls, gloves, hat and eye protection.		
Products of combustion	Only small amounts of decomposition products are expected from this product at temperatures normally achieved in fires. This will only occur after heating to dryness. Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke, water.		
Hazchem Code	2Y		
6. Accidental Release Measures			
Containment	If greater than 3000L is stored, secondary containment and emergency plans to manage any potential spills must be in place. Prevent product from entering environment.		
Emergency procedures	In the event of a large spillage alert the fire brigade to location and give brief description of hazard. Shut off all possible sources of ignition. Wear protective equipment to prevent skin, eye and respiratory exposure. Clear area of any unprotected personnel. Contain spill. Prevent by whatever means possible any spillage from entering drains, sewers, or water courses.		
Clean-up method	If spray or gas escapes, increase ventilation. Collect product and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.		
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	Wear protective equipment to prevent skin and eye contamination and the inhalation of vapour. Work up wind or increase ventilation.		
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. Containers (and outer packaging) must bear the prescribed labelling, including the Hazchem code, UN number, flammability warning and name of contents.		
Handling	Keep exposure to a minimum, and minimise the quantities kept in work areas. See section 8 with regard to personal protective equipment requirements.		
8. Exposure Controls/Personal Protection Equipment			
<i>Workplace Exposure Standards</i>			
A workplace exposure standard (WES) has not been established by WorkSafe NZ for this product. There is a general limit of 10mg/m ³ for dusts and mists when limits have not otherwise been established.			
NZ Workplace Exposure Standards (OSH, 2016).	Ingredient	WES- TWA	WES- STEL
	Alkanes, C3-4 Nonionic surfactants Solvents	Data unavailable Data unavailable Data unavailable	Data unavailable Data unavailable Data unavailable
<i>Engineering Controls</i>			
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			



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borne concentrations of mists, dusts or vapours are high, you are advised to modify processes or increase ventilation.

Personal Protective Equipment

Eyes	Avoid contact with eyes. Use safety glasses and or chemical splash goggles if splashes are possible.
Skin	If discomfort is felt (e.g., if pre-existing conditions exist, such as dermatitis, cuts or sensitive skin), gloves may be helpful. If you suffer from dermatitis type skin conditions, use gloves.
Respiratory	A respirator when airborne concentrations approach the WES (section 8). If using a respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order.

9. Physical and Chemical Properties

Appearance	Clear liquid providing thick white foam when sprayed from can.
Odour	Characteristic - ammoniacal/white lily belmay fragrance.
pH	9.75-9.85
Vapour pressure	2.37 kPa at 20°C (water vapour pressure)
Boiling point	Not available
Volatile materials	> 90%
Softening/melting point	Not available
Solubility	No data
Specific gravity or density	~1g/L at 25°C
Flash point	No data
Danger of Explosion	Contents not explosive; aerosol dispenser may explode if exposed to extreme heat.
Upper & lower flammable limits	No data
Auto ignition temperature	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	Flammable substance. Keep away from sources of ignition at all times. Containers should be kept closed in order to avoid contamination.
Incompatible materials	Aerosols are incompatible with explosives, flammable liquids, flammable solids, oxidising materials. This product should be kept in a cool place below 30°C. Keep away from sources of sparks or ignition. Any electrical equipment in the area of this product should be flame proofed.
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. This product is not considered toxic if swallowed, absorbed through the skin or inhaled. It is considered a skin and eye irritant. There are no long-term effects associated with exposure by any route.

Supporting Data

Acute:	Oral	Limited data available on the mixture. Using LD ₅₀ 's for ingredients, the calculated LD ₅₀ (oral, rat) for the mixture is >5,000 mg/kg. Data considered is unavailable.
	Dermal	Limited data available on the mixture. Using LD ₅₀ 's for ingredients, the calculated LD ₅₀ (dermal, rat) for the mixture is >2,000 mg/kg. Data considered is unavailable.
	Inhaled	Limited data available on the mixture. Using LC ₅₀ 's for ingredients, the calculated LC ₅₀ (inhalation, rat) for the mixture is >5,000 ppm. Data considered is unavailable.
	Eye	The mixture is considered to be an eye irritant, because some of the ingredients present are considered eye irritants in more concentrated form.
	Skin	The mixture is considered to be a skin irritant, because some of the ingredients present are considered skin irritants in more concentrated form.
Chronic:	Sensitisation:	Limited data available on the mixture. No ingredient present at concentrations > 0.1% is considered a sensitizer.
	Mutagenicity:	Limited data available on the mixture. No ingredient present at concentrations > 0.1% is considered a mutagen.
	Carcinogenicity:	Limited data available on the mixture. No ingredient present at concentrations > 0.1% is considered a carcinogen.
	Reproductive / Developmental:	Limited data available on the mixture. No ingredient present at concentrations > 0.1% is considered a reproductive or developmental toxicant or have any effects on or via lactation.
	Systemic:	Limited data available on the mixture. No ingredient present at concentrations > 1% is considered a target organ toxicant.



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Aggravation of Existing Conditions: None known.

12. Ecological Data

Summary

Limited data available on the mixture. This product is unlikely to be considered ecotoxic in water or to land-based animals. However, as there is insufficient evidence relating to some of the confidential ingredients, the product has been conservatively classed as 9.1D (mildly ecotoxic)

Supporting Data

Aquatic	Limited data available on the mixture. Using EC ₅₀ 's for ingredients, the calculated EC ₅₀ for the mixture is > 100 mg/L. Data considered is unavailable.
Bioaccumulation	Limited data available on the mixture.
Degradability	Limited data available on the mixture.
Soil	Limited data available on the mixture. EPA has not classified the mixture as ecotoxic in the soil environment. The soil toxicity value for the mixture is ≥ 100 mg/kg.
Terrestrial Vertebrate	The mixture has been classified by EPA as not applicable. Using LC ₅₀ (diet) for ingredients, the data calculated LC ₅₀ (diet) for the mixture is unavailable.
Terrestrial Invertebrate	Limited data available on the mixture. EPA has not classified the mixture as ecotoxic to terrestrial invertebrates. The calculated invertebrate ecotoxicity value for the mixture is > 25 µg/bee. Data considered is unavailable.
Biocidal	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

Transport according to NZS 5433 (Transport of Hazardous Substances on Land). There are no specific restrictions for this product (not a dangerous good).

UN Number	Not applicable	Proper Shipping Name	Not applicable
Class(es)	Not applicable	Packing group	Not applicable
Precautions	Not applicable	HAZCHEM code	1[T] (not a dangerous good)

15. Regulatory Information

This product has been approved under the Hazardous Substances and New Organisms Act HSR002530 Cleaning Products (Subsidiary Hazard) 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 > 3000L is stored.
Signage	Required if > 3000L is stored in any one location.
Bunding & Secondary Containment	Required if > 3000L is stored in any one location.
Approved Handler	Approved Handler required if storing >3000L.
Tracking	Not required
Location Test Certificate	Required if > 3000L is stored in any one location.
Hazardous Atmosphere Zones	Required if > 3000L is stored in any one location.
Fire Extinguishers	Required if > 3000L is stored in any one location.
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.



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16. Other Information	
<i>Abbreviations</i>	
Approval Code	Approval HSR002519 Aerosols (Subsidiary Hazard) 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.
<i>References</i>	
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:	Chemidplus.
<i>Review</i>	
Date	Reason for Review
March 2005	New SDS
November 2010	Change of Risk Phrases and Safety Phrases to Hazard and Precautionary Statements
February 2012	Change of company name, review of classification, review WES data, change ERMA to EPA
November 2016	Change of logo and company name, HSE to HSAW, formatting.
<i>Disclaimer</i>	
<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>	
