



## 1. Identification of Substance and Company

<b>Product Name:</b>	Armor All Car Wash
<b>Other Names:</b>	None
<b>HSNO Approval:</b>	HSR002530 - Cleaning Products (Subsidiary Hazard) Group Standard 2006
<b>UN Number:</b>	Not Applicable
<b>Packaging group:</b>	Not Applicable
<b>Hazchem Code:</b>	1[T] (recommended)
<b>Uses:</b>	Car wash formulation

### Company Details

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


## 2. Hazard Identification

### Hazard Classifications

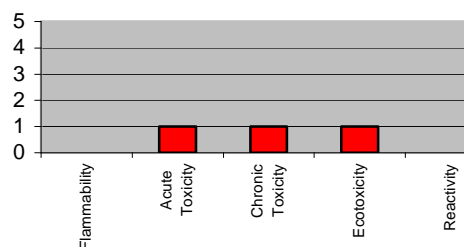
This product has been approved under the Hazardous Substances and New Organisms Act (HSNO, Approval HSR002530 Cleaning Products (Subsidiary Hazard) Group Standard 2006), and is classified as follows:

Classes 6.3A, 6.4A, 6.5B, 9.1D

Symbols:  
**WARNING**



Degree of hazard:



### Other classifications

There are no other Classifications that are known to apply.

### Hazard and Precautionary Statements

<b>Hazard Statements</b>	Causes skin irritation. Causes eye irritation. May cause an allergic skin reaction. May cause long lasting harmful effects to aquatic life.
<b>Precautionary Statements</b>	Keep out of reach of children. Read label before use. Wash hands thoroughly after handling. Wear protective clothing. Wear protective gloves/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapours/spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment.

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

## 3. Composition/Information on Ingredients

Chemical Entity	CAS No	Proportion
Surfactants, including alkylbenzene sulfonic acid	Confidential	1-10 %
Sodium Hydroxide	1310-73-2	<1%
Water	7732-18-5	to 100%

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



4. First Aid	
<i>General Information</i>	
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).	
<b>Recommended first aid facilities</b>	Ready access to running water is required. Accessible eyewash is recommended.
<i>Exposure</i>	
<b>Swallowed:</b>	IF SWALLOWED: Wash mouth with water and give a glass of water to drink. If in doubt, contact the National Poisons Centre or a Doctor.
<b>Eye contact:</b>	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.
<b>Skin contact:</b>	IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: get medical advice/attention. Take off contaminated clothing and wash before re-use.
<b>Inhaled:</b>	No first aid measures normally required. However, if vapours or mists have been inhaled, and irritation has developed, remove to fresh air and observe until recovered. If irritation becomes painful or persists more than about 30 minutes, seek medical advice.
<i>Advice to Doctor</i>	
Treat symptomatically. Note the nature of this product.	
5. Firefighting Measures	
<b>Fire and explosion hazards</b>	There are no specific risks for fire/explosion for this chemical. It is predominantly water and non-flammable.
<b>Suitable Extinguishing Substances</b>	This product does not burn. Use extinguishing media suited to the materials that are burning.
<b>Unsuitable extinguishing substances</b>	None known.
<b>Protective Equipment</b>	Safety boots, non-flammable overalls, gloves, hat and preferably goggles.
<b>Products of combustion</b>	Fire decomposition products from this product may form toxic and corrosive mixtures in confined spaces. Likely to decompose only after heating to dryness followed by further strong heating. Product of decomposition: Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke, oxides of sulfur and water.
<b>Hazchem Code</b>	1T (recommended, no HAZCHEM signage necessary)
6. Accidental Release Measures	
<b>Containment</b>	If greater than 10000L is stored, secondary containment is required. Emergency plans to manage any potential spills must be in place. Prevent spillage from spreading or entering soil, waterways or drains.
<b>Emergency procedures</b>	The bottle size generally will prevent major spills. If a spill occurs: Stop leak if safe/necessary; Isolate area (ensure no persons inside spill area) Collect spill – see below; Transfer to container for disposal Dispose of according to guidelines below (Section 13)
<b>Clean-up method</b>	This product is not considered flammable. It can be collected by absorption onto material such as sand, vermiculite or other suitable absorbent material. Small spills do not require any special clean up method. Larger spills (e.g., greater than 200 L) should be prevented from entering stormwater drains or waterways. If a significant quantity of material enters drains, advise emergency services.
<b>Disposal</b>	Sweep up and shovel or 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.
<b>Precautions</b>	Wear protective footwear, overalls, gloves and safety glasses to clean-up large spills. Can be slippery on floors, especially when wet.
7. Handling and Storage	
<b>Storage</b>	Avoid storage of toxic 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.
<b>Handling</b>	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

### 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/m<sup>3</sup> for dusts and mists when limits have not otherwise been established.

NZ Workplace Exposure Standards (2016).	Ingredient	WES- TWA	WES- STEL
	Sodium Hydroxide	2mg/m <sup>3</sup> (ceiling)	no data

### 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

<b>Eyes</b>		Product is irritating to eyes – glasses are not required for normal use - use eye protection when using this product in bulk.
<b>Skin</b>		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, e.g nitrile gloves.
<b>Respiratory</b>		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

<b>Appearance</b>	Transparent dark blue liquid.
<b>Odour</b>	Characteristic fragrant odour.
<b>pH</b>	7 – 8.5 (specification)
<b>Vapour pressure</b>	2.37 kPa at 20°C (water vapour pressure)
<b>Viscosity</b>	LVT 3/30, 25°C 500-1000cPs
<b>Boiling point</b>	Approximately 100°C at 100 kPa
<b>Volatile materials</b>	Water component
<b>Softening/melting point</b>	Approximately 0°C
<b>Solubility</b>	Completely soluble in water
<b>Specific gravity or density</b>	1.026
<b>Flash point</b>	Not applicable (does not burn)
<b>Upper and lower flammable limits</b>	Not applicable (does not burn)
<b>Auto ignition temperature</b>	Not applicable (does not burn)
<b>Corrosiveness</b>	Not corrosive

## 10. Stability and Reactivity

<b>Stability</b>	Stable - unlikely to react/decompose under normal conditions
<b>Conditions to be avoided</b>	Mixing with other cleaning chemicals should be avoided.
<b>Incompatible materials</b>	No particular incompatibilities
<b>Hazardous decomposition products</b>	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen, and under some circumstances, oxides of nitrogen.
<b>Hazardous reactions</b>	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

<b>Oral</b>	The calculated LD <sub>50</sub> is >5000mg/kg. Data considered: Alkylbenzene sulfonic acid: 650mg/kg (rat).
<b>Dermal</b>	No evidence of dermal toxicity.
<b>Inhaled</b>	No evidence of inhalation toxicity.
<b>Eye</b>	The pH of the mixture is 7 – 8.5. This mixture is considered to be an eye irritant, because of the presence of the surfactant (e.g. alkenebenzene sulfonic acid).
<b>Skin</b>	The pH of the mixture is 7 – 8.5. This mixture is considered to be skin irritant, because of the presence of the surfactant (e.g. alkenebenzene sulfonic acid).



<b>Sensitisation</b>	This product is a contact sensitiser. It contains >0.1% of alkylbenzene sulfonic acid, which is a known sensitiser.
<b>Mutagenicity</b>	No evidence of mutagenicity for the mixture or any of its components (>0.1%)
<b>Carcinogenicity</b>	No evidence of carcinogenicity for the mixture.
<b>Reproductive</b>	Insufficient evidence of reproductive toxicity for the mixture or any of its components (>0.1%).
<b>Developmental</b>	No evidence of developmental toxicity for the mixture or any of its components (>0.1%)
<b>Systemic</b>	No evidence of systemic toxicity for the mixture or any of its components (>0.1%)
<b>Aggravation of existing conditions</b>	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

<b>Aquatic</b>	Limited data available on the product. The surfactants are considered to be ecotoxic to aquatic animals in concentrated form with an EC <sub>50</sub> of 0.1 mg/l (96hr, brown trout), 1-10mg/L 948hr, Daphnia magna).
<b>Bioaccumulation</b>	Not considered bioaccumulative,
<b>Degradability</b>	Considered rapidly degradable.
<b>Soil</b>	No evidence of soil toxicity.
<b>Terrestrial Vertebrate</b>	Animal-based acute toxicity data indicates low toxicity for terrestrial vertebrates.
<b>Terrestrial Invertebrate</b>	No evidence of terrestrial invertebrate toxicity for the mixture or any of its components (>0.1%)
<b>Biocidal</b>	The product is not designed as a biocide.

## 13. Disposal Considerations

<b>Restrictions</b>	There are no product-specific restrictions, however, local council and resource consent conditions may apply, including requirements of trade waste consents.
<b>Disposal method</b>	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.
<b>Contaminated Packaging</b>	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).

<b>UN Number</b>	Not applicable	<b>Proper Shipping Name</b>	Not applicable
<b>Class(es)</b>	Not applicable	<b>Packing group</b>	Not applicable
<b>Precautions</b>	Not applicable	<b>HAZCHEM code</b>	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:	
<b>SDS</b>	To be available within 10 minutes in workplaces storing any quantity.
<b>Labelling</b>	No removal of labels and/or decanting of product into other containers can occur.
<b>Emergency Plan</b>	Required if storing >1000L.
<b>Bundling &amp; Secondary Containment</b>	Not required.
<b>Signage</b>	Not required.
<b>Approved Handler &amp; Tracking</b>	Required if storing >10000L.
<b>Location test Certificate</b>	Not required.

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.



## 16. Other Information

Abbreviations	
<b>Approval Code</b>	Approval HSR002530 Cleaning Products (Subsidiary Hazard) Group Standard 2006 Controls, EPA. <a href="http://www.epa.govt.nz">www.epa.govt.nz</a>
<b>CAS Number</b>	Unique Chemical Abstracts Service Registry Number
<b>Ceiling</b>	Ceiling Exposure Value: The maximum airborne concentration of a biological or chemical agent to which a worker may be exposed at any time.
<b>Controls Matrix</b>	List of default controls linking regulation numbers to Matrix code (e.g. T1, I16).
<b>EC<sub>50</sub></b>	Ecotoxic Concentration 50% – concentration in water which is fatal to 50% of a test population (e.g. daphnia, fish species)
<b>EPA</b>	Environmental Protection Authority (New Zealand)
<b>HAZCHEM Code</b>	Emergency action code of numbers and letters that provide information to emergency services, especially fire fighters
<b>HSNO</b>	Hazardous Substances and New Organisms (Act and Regulations)
<b>IARC</b>	International Agency for Research on Cancer
<b>LEL</b>	Lower Explosive Limit
<b>LD<sub>50</sub></b>	Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats).
<b>LC<sub>50</sub></b>	Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population (usually rats)
<b>MSDS/SDS</b>	Material Safety Data Sheet (or Safety Data Sheet)
<b>PES</b>	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).
<b>STEL</b>	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
<b>TWA</b>	Time Weighted Average – generally referred to WES averaged over typical work day (usually 8 hours)
<b>UEL</b>	Upper Explosive Limit
<b>UN Number</b>	United Nations Number
<b>WES</b>	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	
<b>Data</b>	Unless otherwise stated comes from the EPA HSNO chemical classification information database (CCID).
<b>WES 2016</b>	The NZ Workplace Exposure Standards Effective from 2016, published by WorkSafe NZ and available on their web site – <a href="http://www.worksafe.govt.nz">www.worksafe.govt.nz</a> .
<b>WES 2002</b>	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.
<b>Other References</b>	Suppliers SDS
Review	
<b>Date</b>	<b>Reason for Review</b>
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
February 2015	review of classification, DOL to Worksafe. Review of tox and ecotox section.
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 <a href="mailto:info@datachem.co.nz">info@datachem.co.nz</a> or phone: (09) 940 30 80.</p>	
