



## 1. Identification of Substance and Company

<b>Product Name:</b>	Armor All Bug Wipes
<b>Other Names:</b>	none assigned
<b>HSNO Approval:</b>	HSR002530, Cleaning Products (Subsidiary Hazard) Group Standard 2017
<b>Product Code:</b>	ABW30/6AU
<b>Proper Shipping name</b>	Not allocated
<b>UN Number:</b>	NA
<b>Packaging group:</b>	NA
<b>Hazchem Code:</b>	1T (recommended)
<b>Uses:</b>	Wipes for removal of tough stains from car's exterior

### 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

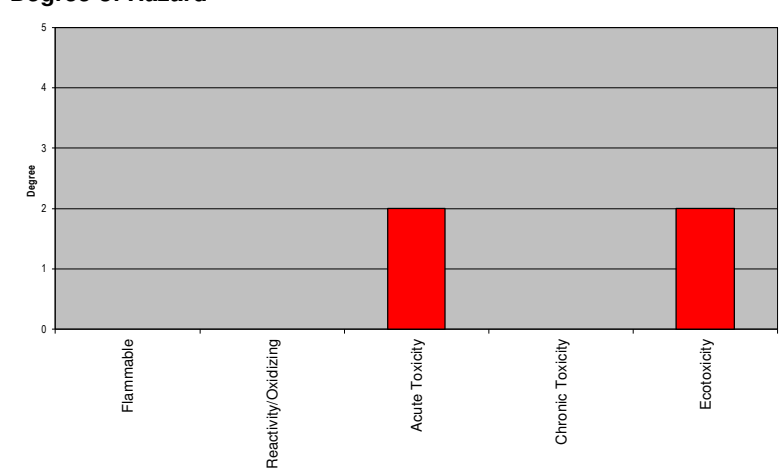
This product is an approved under the Hazardous Substances and New Organisms Act (HSNO, Approval HSR002530, Cleaning Products (Subsidiary Hazard) Group Standard 2017 ), and is classified as follows:

**Classes**  
6.3A, 6.4A, 9.1D

**Symbols:**  
**WARNING**



### Degree of Hazard



### Other Classifications

There are no other classifications that are known to apply.

### Hazard Statements

6.3A - H315 - Causes skin irritation.  
6.4A - H320 - Causes eye irritation.  
9.1D - H402 - Harmful to aquatic life.

### Precautionary Statements

P103 - Read label before use.  
P264 - Wash hands thoroughly after handling.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing.  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
P332+P313 - If skin irritation occurs: Get medical advice/ attention.  
P362 - Take off contaminated clothing and wash before re-use.  
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.



### 3. Composition / Information on Ingredients

Component	CAS/ Identification	Conc (%)
Propylene glycol N-butyl ether	5131-66-8	1-2.5%
Ethoxylated Alcohols	proprietary	0.1-1%
Quaternary ammonium compound	Proprietary	0.1-1%
Ingredients not contributing to HSNO classes	Mixture	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 (0800 POISON) (24 hr emergency service). If medical advice is needed, have product container or label at hand.

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

#### Exposure

**Swallowed:** Do NOT induce vomiting. Give a glass of water to drink. Contact a doctor.  
**Eye contact:** If product gets in eyes, wash material from them with running water for several minutes. If symptoms persist, seek medical advice.  
**Skin contact:** Flush immediately with large amounts of water. Remove all contaminated clothing. Contact a doctor.  
**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** There are no specific risks for fire/explosion for this chemical. It is non-flammable.  
**Suitable Extinguishing Substances** Carbon dioxide, extinguishing powder, foam, fog sprays, water jets.  
**Unsuitable Extinguishing Substances** Unknown.  
**Protective Equipment** No special measures are required.  
**Products of combustion** Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Water. May form toxic mixtures in air and may accumulate in sumps, pits and other low-lying spaces, forming potentially explosive mixtures.  
**Hazchem Code** 1T (recommended)

### 6. Accidental Release Measures

**Containment** If greater than 10000L is stored, secondary containment and emergency plans to manage any potential spills must be in place. In all cases design storage to prevent discharge to storm water.  
**Emergency procedures** The packaging and nature of the product generally will prevent major spills. If wipes do spill:  
 Stop spill if safe/necessary  
 Isolate area (ensure no persons inside spill area), Collect wipes – see below, Transfer to container for disposal, Dispose of according to guidelines below (Section 13)  
**Clean-up method** This product is not considered flammable or ecotoxic. Small spills do not require any special clean up method. Larger spills should be mopped up and collected.  
**Disposal** Wear protective footwear, overalls, gloves and safety glasses to clean-up large spills.  
**Precautions** Prevent spillage from spreading or entering soil, waterways or drains.

### 7. Storage and Handling

**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. Store locked up  
**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 Protective 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 3mg/m<sup>3</sup> for respirable particulates and 10mg/m<sup>3</sup> for inhalable particulates when limits have not otherwise been established.

NZ Workplace Exposure Standards	Ingredient	WES-TWA	WES-STEL
	Monoethanolamine	3ppm, 7.5mg/m <sup>3</sup>	6ppm, 15mg/m <sup>3</sup>

*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. Select eye protection in accordance with AS/NZS 1337.
<b>Skin</b>		Protective gloves are recommended if using in bulk or for prolonged periods. Nitrile gloves are recommended. Protective gloves or suitably resistant material must comply with AS 2161. Replace frequently. Gloves should be checked for tears or holes before use. Protective clothing must comply with AS 2919, AS3765.1 or AS3765.2. PVC or rubber boots must comply with AS/NZS 2210.2 and selected and maintained in accordance with AS/NS2210.1.
<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.

*WES Additional Information*

Not applicable

**9. Physical & Chemical Properties**

<b>Appearance</b>	white liquid absorbed onto wipes
<b>Odour</b>	citrus odour
<b>pH</b>	not determined
<b>Vapour Pressure</b>	no data
<b>Boiling Point</b>	no data
<b>Volatile Materials</b>	no data
<b>Softening/Melting Point</b>	not determined
<b>Solubility</b>	soluble in water
<b>Specific Gravity or Density</b>	0.987-1.007 g/cm <sup>3</sup> (for the liquid)
<b>Flash Point</b>	non combustible
<b>Danger of Explosion</b>	no data
<b>Auto-Ignition Temperature</b>	no data
<b>Upper &amp; Lower Flammable Limits</b>	no data
<b>Corrosiveness</b>	non corrosive

**10. Stability & Reactivity**

<b>Stability</b>	Stable
<b>Conditions to be avoided</b>	Containers should be kept closed in order to avoid contamination. Keep from extreme heat and open flames.
<b>Incompatible Materials</b>	None known
<b>Hazardous Decomposition Products</b>	If product has undergone partial or complete evaporation, it may be combustible.
<b>Hazardous Reactions</b>	No specific hazards.



**11. Toxicological Information**

<i>Summary</i>		
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.		
<i>Supporting Data</i>		
<b>Acute</b>	<b>Oral</b> <b>Dermal</b> <b>Inhaled</b> <b>Eye</b>  <b>Skin</b>	The estimated LD <sub>50</sub> for the mixture is >5000mg/kg. No evidence of dermal toxicity. No evidence of inhalation toxicity. This mixture is considered to be an eye irritant. Some of the ingredients (ethoxylated alcohol, quaternary ammonium compounds) present are considered irritating/corrosive in higher concentrations. This mixture is considered to be a skin irritant. Some of the ingredients (ethoxylated alcohol, quaternary ammonium compounds) present are considered irritating/corrosive in higher concentrations.
<b>Chronic</b>	<b>Sensitisation</b> <b>Mutagenicity</b> <b>Carcinogenicity</b> <b>Reproductive / Developmental</b> <b>Systemic</b>  <b>Aggravation of Existing Conditions</b>	No ingredient present at concentrations > 0.1% is considered a sensitizer. No ingredient present at concentrations > 0.1% is considered a mutagen. No ingredient present at concentrations > 0.1% is considered a carcinogen. No ingredient present at concentrations > 0.1% is considered a reproductive or developmental toxicant or have any effects on or via lactation. No ingredient present at concentrations > 1% is considered a target organ toxicant. None known.

**12. Ecological Data**

<i>Summary</i>	
The liquid absorbed onto the wipes is considered harmful towards aquatic organisms.	
<i>Supporting Data</i>	
<b>Aquatic</b>	Using EC <sub>50</sub> 's for ingredients, the calculated EC <sub>50</sub> for the mixture is between 1 and 100 mg/L. Data considered includes: Ethoxylated Alcohols 0.37 - 0.43 mg/L (48hr, Ceriodaphnia dubia (Water flea)), 0.7 mg/L (96hr, Selenastrum capricornutum (Green algae)), 1.4 mg/l (96hr, Fathead minnow), 4.59 mg/L (72hr, Xenopus laevis), quaternary ammonium chloride: LC <sub>50</sub> : 0.93mg/L (96h, rainbow trout), luegill sunfish), NOEC: 0.032mg/L (34d, fathead minnow), 0.0042mg/L (21d, Daphnia magna). EC <sub>50</sub> : 0.016mg/L (48h, Daphnia magna), ErC <sub>50</sub> : 0.49mg/L (72h, green algae).
<b>Bioaccumulation</b>	Not considered bioaccumulative (>60% water, no evidence for any ingredient present >1%)
<b>Degradability</b>	Considered rapidly degradable.
<b>Soil</b>	Not considered toxic in soil (>60% water, no evidence for any ingredient)
<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>	no data

**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>	Disposal of this product must comply with the Hazardous Substances (Disposal) Notice 2017 and the requirements of the Resource Management Act for which approval should be sought from the Regional Authority. The substance must be treated and therefore rendered non-hazardous before discharge to the environment.
<b>Contaminated Packaging</b>	Disposal of contaminated packaging must comply with the Hazardous Substances (Disposal) Notice 2017 clause 12. Ensure that the package is rendered incapable of containing any substance and is disposed in a manner that is consistent with the requirements of the substance it contained and the material of the package. If possible reuse or recycle packaging.

**14. Transport Information**

There are no specific restrictions for this product (not a dangerous good).			
<b>UN Number</b>	NA	<b>Proper Shipping Name</b>	NA
<b>Class(es)</b>	NA	<b>Packing Group</b>	NA
<b>Precautions</b>	NA	<b>HAZCHEM Code</b>	1T (recommended)



**15. Regulatory Information**

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO). Approval code: HSR002530, Cleaning Products (Subsidiary Hazard) Group Standard 2017 .

*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.
Inventory	An inventory of all hazardous substances must be prepared and maintained.
Packaging	All hazardous substances should be appropriately packaged including substances that have been decanted, transferred or manufactured for own use or have been supplied
Labelling	Must comply with the Hazardous Substances (Labelling) Notice 2017.
Emergency plan	Required if > 10000L is stored.
Certified handler	Not required.
Tracking	Not required.
Bunding & secondary containment	Required if > 10000L is stored.
Signage	Required if > 10000L is stored in any one location.
Location compliance certificate	Not required.
Flammable zone	Not required.
Fire extinguisher	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 2017 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>EC50</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>LD50</b>	Lethal Dose 50% – dose which is fatal to 50% of a test population (usually rats).
<b>LC50</b>	Lethal Concentration 50% – concentration in air which is fatal to 50% of a test population (usually rats)
<b>NZIoC</b>	New Zealand Inventory of Chemicals
<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.



<i>References</i>	
<b>Data</b>	Unless otherwise stated comes from the EPA HSNO chemical classification information database (CCID).
<b>Controls</b>	EPA notices, <a href="http://www.epa.govt.nz">www.epa.govt.nz</a> , Health and Safety at Work (Hazardous Substances) Regulations 2017, <a href="http://www.legislation.govt.nz">www.legislation.govt.nz</a>
<b>WES</b>	The latest NZ Workplace Exposure Standards, published by WorkSafe NZ and available on their web site – <a href="http://www.worksafe.govt.nz">www.worksafe.govt.nz</a> .
<b>Other References:</b>	EU ECHA, ingredients SDS's, ChemIDplus
<i>Review</i>	
<b>Date</b>	<b>Reason for Review</b>
June 2018	NA – new SDS
<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, SDS 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>	
