



## 1. Identification of Substance and Company

<b>Product Name:</b>	ARMOR ALL Anti-Fog Wipes
<b>Other Names:</b>	none assigned
<b>HSNO Approval:</b>	Not applicable: non hazardous
<b>UN Number:</b>	NA
<b>Packaging group:</b>	NA
<b>Hazchem Code:</b>	1T (recommended)
<b>Uses:</b>	Guards against automotive interior glass misting.

### 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

<p>This product is not considered to be a hazardous substance to the Hazardous Substances and New Organisms Act (HSNO).</p>	<p>Degree of hazard:</p> <table border="1"> <caption>Degree of hazard data</caption> <thead> <tr> <th>Category</th> <th>Degree</th> </tr> </thead> <tbody> <tr> <td>Flammable</td> <td>0</td> </tr> <tr> <td>Reactivity/Oxidizing</td> <td>0</td> </tr> <tr> <td>Acute Toxicity</td> <td>0</td> </tr> <tr> <td>Chronic Toxicity</td> <td>0</td> </tr> <tr> <td>Ecotoxicity</td> <td>0</td> </tr> </tbody> </table>	Category	Degree	Flammable	0	Reactivity/Oxidizing	0	Acute Toxicity	0	Chronic Toxicity	0	Ecotoxicity	0
Category	Degree												
Flammable	0												
Reactivity/Oxidizing	0												
Acute Toxicity	0												
Chronic Toxicity	0												
Ecotoxicity	0												
Classes NA													
Symbols: <b>NA</b>													

### Other classifications

There are no other Classifications that are known to apply.  
The liquid contained in the wipes is considered flammable 3.1C with a flashpoint of 40-45°C.

### Hazard and Precautionary Statements

<b>Hazard Statements</b>	Not applicable – non hazardous
<b>Precautionary Statements</b>	Not applicable

## 3. Composition/Information on Ingredients

Component	CAS No	Proportion
Ethanol	64-17-5	5-10%
Ingredients not contributing to HSNO classes	mixture	To 100%
Wipes		

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).

<b>Recommended first aid facilities</b>	Ready access to running water is recommended.
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### Exposure

<b>Swallowed</b>	Do NOT induce vomiting. Give a glass of water to drink. Contact 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.
<b>Skin contact</b>	This product is non-irritating to skin. No further measures should be required.
<b>Inhaled</b>	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			
<b>Fire and explosion hazards</b>	The liquid contained in the wipes is considered flammable.		
<b>Suitable Extinguishing Substances</b>	Water, water fog, dry chemical, foam or carbon dioxide (CO <sub>2</sub> ) fire extinguishers		
<b>Unsuitable extinguishing substances</b>	None known.		
<b>Protective Equipment</b>	Respiratory protection.		
<b>Danger caused by material, its combustion products or gases produced</b>	Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and smoke.		
<b>Hazchem Code</b>	1[T] (note: not a dangerous good)		
6. Accidental Release Measures			
<b>Containment</b>	There is no current legal requirement for containment of this product. Secondary containment is recommended.		
<b>Emergency procedures</b>	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)		
<b>Clean-up method</b>	This product is not considered ecotoxic. Small spills do not require any special clean up method. Larger spills should be mopped up and collected.		
<b>Disposal</b>	Wear protective footwear, overalls, gloves and safety glasses to clean-up large spills.		
<b>Precautions</b>	Prevent spillage from spreading or entering soil, waterways or drains.		
7. Handling and Storage			
<b>Storage</b>	Avoid storage of toxic substances with food. Store out of reach of children. 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			
<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 <sup>3</sup> for dusts and mists when limits have not otherwise been established.			
NZ Workplace Exposure Standards (2016)	Ingredient	WES- TWA	WES- STEL
	Ethanol	1000ppm, 1800mg/m <sup>3</sup>	
<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 borne concentrations of mists, dusts or vapours are high, you are advised to modify processes or increase ventilation.			
<i>Personal Protective Equipment</i>			
<b>Eyes</b>	Use eye protection if direct contact is likely.		
<b>Skin</b>	Use gloves if handling product for prolonged or repeated period (rubber or PVC preferably). Wash hands with soap and water after use.		
<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>	Tissue/Wipes moistened with liquid.		
<b>Odour</b>	Characteristic odour		
<b>pH</b>	5.0-6.5		
<b>Vapour pressure</b>	No data		
<b>Vapour density</b>	No data		
<b>Boiling point</b>	No data		
<b>Softening/melting point</b>	No data		
<b>Solubility</b>	Liquid is easily soluble in water, wipes are insoluble in water.		
<b>Specific gravity or density</b>	~1.00 at 25°C		
<b>Flash point</b>	Liquid: 40-45°C (does not support combustion)		
<b>Upper &amp; lower flammable limits</b>	No data		
<b>Auto ignition temperature</b>	No data		
<b>Corrosivity</b>	Non corrosive		



## 10. Stability and Reactivity

<b>Stability</b>	Stable under use and normal conditions
<b>Conditions to be avoided</b>	No data
<b>Incompatible materials</b>	Strong oxidising agents
<b>Hazardous decomposition products</b>	Only small quantities of decomposition products are expected from this product at temperatures normally achieved in a fire. This will only occur after heating to dryness. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and smoke.
<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 mild skin and mild eye irritant, which should disappear once product is removed from affected area. There are no long-term effects associated with exposure by any route.

### Supporting Data

<b>Acute:</b>	<b>Oral</b>	This mixture is expected to be not harmful if swallowed.
	<b>Dermal</b>	No evidence of dermal toxicity.
	<b>Inhaled</b>	No evidence of inhalation toxicity.
	<b>Eye</b>	This mixture is not considered to be an eye irritant.
	<b>Skin</b>	This mixture is not considered to be a skin irritant.
<b>Chronic:</b>	<b>Sensitisation:</b>	No evidence of sensitisation for the mixture of any of its components (>0.1%).
	<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 / Developmental:</b>	Insufficient evidence of reproductive toxicity for the mixture or any of its components (>0.1%). 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%)

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

## 12. Ecological Data

### Summary

Limited data available on the mixture. This product is not considered ecotoxic in water or to land-based animals.

### Supporting Data

<b>Aquatic</b>	Limited data available on the mixture.
<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>	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

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 is not considered to be a hazardous substance to the Hazardous Substances and New Organisms Act (HSNO).

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

No workplace controls apply to this product (non hazardous).

### 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	
<i>Abbreviations</i>	
<b>Approval Code</b>	NA – non hazardous. 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.
<i>References</i>	
<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 MSDS
<i>Review</i>	
<b>Date</b>	<b>Reason for Review</b>
February 2014	NA - New MSDS
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 <a href="mailto:info@datachem.co.nz">info@datachem.co.nz</a> or phone: (09) 940 30 80.</p>	