



## 1. Identification of Substance and Company

|                             |   |
|-----------------------------|---|
| <b>Product Name:</b>        | ARMOR ALL Extreme Tyre Shine                                  |
| <b>Other Names:</b>         | Not applicable  |
| <b>HSNO Approval:</b>       | HSR002528 - Cleaning Products (Flammable) Group Standard 2006 |
| <b>Proper Shipping Name</b> | FLAMMABLE LIQUID, N.O.S. (contains alkanes)                   |
| <b>UN Number:</b>           | 1993  |
| <b>Hazchem Code:</b>        | 3Y  |
| <b>Uses:</b>                | Tyre shine and gloss preparation                              |

### Company Details

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

## 2. Hazard Identification

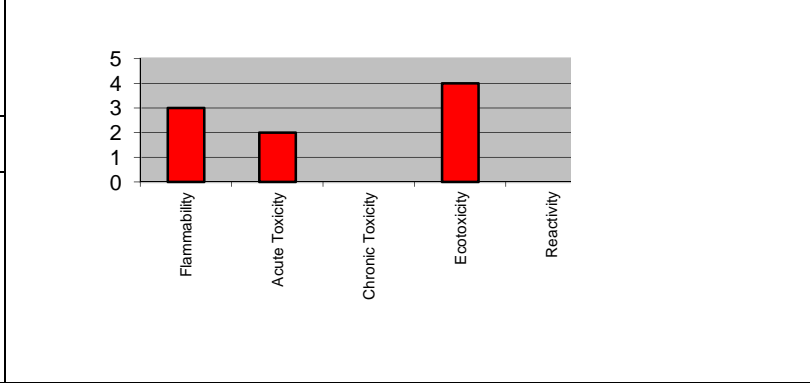
### Hazard Classifications

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

Classes 3.1C, 6.1E (aspiration, oral), 6.3B, 6.4A, 9.1B

Symbols:  
**DANGER**

Degree of hazard:



### Other classifications

Not considered hazardous under other New Zealand or international legislation.

### Hazard and Precautionary Statements

|                                 |   |
|---------------------------------|---|
| <b>Hazard Statements</b>        | <p>Flammable liquid and vapour.<br/>         May be harmful if swallowed<br/>         May be harmful if swallowed and enters airways.<br/>         Causes mild skin irritation.<br/>         Causes eye irritation.<br/>         Toxic to aquatic life with long lasting effects.</p>   |
| <b>Precautionary Statements</b> | <p>Read label before use.<br/>         Keep out of reach of children.<br/>         Keep away from ignition sources. No smoking.<br/>         Keep container tightly closed.<br/>         Ground/bond container and receiving equipment.*<br/>         Use explosion-proof electrical equipment.*<br/>         Use only non-sparking tools.*<br/>         Take precautionary measures against static discharge.*<br/>         * These precautionary statements apply when a flammable zone is required to be established. See Section 15 – Regulatory Information</p> <p>Wear protective gloves/eye/face protection.<br/>         Avoid release to the environment. Collect spillage.</p> <p>Further precautionary statements can be found in Section 4 – First Aid.</p> |

## 3. Composition/Information on Ingredients

| Component                        | CAS No       | Proportion |
|----------------------------------|--------------|------------|
| Alkanes, C <sub>9-12</sub> -iso- | 90622-57-4   | 60 – 80%   |
| Silicones                        | Confidential | To 100%    |

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



| 4. First Aid  |   |
|---|---|
| <b>General Information</b>  |   |
| 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). If medical advice is needed, have product container or label at hand. |   |
| <b>Recommended first aid facilities</b>   | Ready access to running water is required. Accessible eyewash is recommended.   |
| <b>Exposure</b>   |   |
| <b>Swallowed:</b>   | IF SWALLOWED: Do not induce vomiting. Give a glass of water to drink. Immediately call a POISON CENTER or doctor/physician. Rinse mouth.  |
| <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 occurs: get medical advice/attention. Take off contaminated clothing and wash before re-use.   |
| <b>Inhaled:</b>   | 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.  |
| <b>Advice to Doctor</b>   |   |
| Solvent is an aspiration hazard with the risk of chemical pneumonitis.  |   |
| 5. Firefighting Measures  |   |
| <b>Fire and explosion hazards</b>   | There is a moderate risk of an explosion from this product, if it is involved in a fire. Flashpoint (Solvent): 57°C   |
| <b>Suitable Extinguishing Substances</b>  | Water fog, dry chemical, carbon dioxide (CO <sub>2</sub> ) or foam (preferred for large fires)  |
| <b>Unsuitable extinguishing substances</b>  | None known  |
| <b>Protective Equipment</b>   | When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat, goggles and self contained breathing apparatus. All skin areas should be covered.   |
| <b>Products of combustion</b>   | Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke, Water and silica  |
| <b>Danger caused by material, its combustion products or gases produced</b>   | If a significant quantity of this product is involved in a fire, call the fire brigade. Immediately evacuate the area of unnecessary personnel. When fighting fires involving significant quantities of this product, wear safety boots, non-flammable overalls, gloves, hat, goggles and self contained breathing apparatus. All skin areas should be covered. Ensure that no spillage enters drains or water courses.<br>3Y |
| 6. Accidental Release Measures  |   |
| <b>Containment</b>  | If greater than 1000L 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 packaging generally will prevent major spills.<br>Stop spill if safe/necessary<br>Prevent spillage from entering drains and water courses.<br>Evacuate spill area and deny entry to unnecessary and unprotected personnel<br>Isolate area (ensure no unnecessary and unprotected persons inside spill area)<br>Immediately call the Fire Brigade.   |
| <b>Clean-up method</b>  | Absorb onto sand, vermiculite or other suitable absorbent material.<br>Transfer to labelled container for recycling or salvage. Recycle containers wherever possible.   |
| <b>Disposal</b>   | Dispose of according to guidelines below (Section 13).<br>If a significant quantity of material (e.g. if >200L) enters drains, advise emergency services.<br>After spills, wash area to prevent runoff from entering drains.<br>This material may be suitable for approved landfill. Dispose with in accord with all regulations.   |
| <b>Precautions</b>  | Wear protective footwear, overalls, gloves and safety glasses to clean-up large spills.   |
| 7. Handling and Storage   |   |
| <b>Storage</b>  | Containers should be kept closed in order to minimise contamination. 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

### 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 |
|---|------------------------------|----------|-----------|
|   | C <sub>9-12</sub> isoalkanes | No data  | No data   |
|   | Silicones                    | No data  | 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>        |   | Protective eyewear is suggested when using this product. It is always prudent to use protective eyewear if splashes are likely.  |
| <b>Skin</b>        |  | Impermeable protective gloves should be worn when you are using this product, to prevent irritation. This product is essentially safe to use without special protective clothing. However, its use is recommended as a good industrial practice. Clean overalls or protective clothing should be worn, preferably with an apron. |
| <b>Respiratory</b> |   | It is usually safe to not use a dust mask or respirator protection on account of this product. However, if the product is being used in dusty or confined conditions, use of a mask or respirator may be preferred.  |

## 9. Physical and Chemical Properties

|   |   |
|---|---|
| <b>Appearance:</b>                      | Clear colourless liquid                         |
| <b>Odour</b>                            | Characteristic odour                            |
| <b>pH</b>                               | No data   |
| <b>Vapour pressure</b>                  | No data   |
| <b>Boiling point</b>                    | Solvent boils from 182°C                        |
| <b>Freezing/melting point</b>           | No specific data – liquid at normal temperature |
| <b>Solubility</b>                       | Insoluble in water                              |
| <b>Specific gravity or density</b>      | 1.00 at 25°C                                    |
| <b>Flash point</b>                      | Solvent flashes at 57°C                         |
| <b>Upper and lower flammable limits</b> | Not available                                   |
| <b>Auto ignition temperature</b>        | Not available                                   |
| <b>Corrosiveness</b>                    | Not corrosive                                   |

## 10. Stability and Reactivity

|   |  |
|---|--|
| <b>Stability</b>                        | Stable under normal use and storage conditions |
| <b>Conditions to be avoided</b>         | No data  |
| <b>Incompatible materials</b>           | No data  |
| <b>Hazardous decomposition products</b> | No data  |
| <b>Hazardous reactions</b>              | No specific hazards.                           |

## 11. Toxicological Information

### Summary

IF SWALLOWED: small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary oedema. Ingestion may also result in headaches, nausea, dizziness and irritation of the throat.

IF ON SKIN: the solvent may cause dryness or cracking of the skin. Irritating with prolonged exposure.

IF IN EYES: may cause irritation of the eye.

IF INHALED: may cause dizziness and drowsiness, headaches, nausea.

CHRONIC EFFECT: may affect central nervous system through repeated and prolonged exposure. May cause dryness and defatting of skin.

### Supporting Data

|               |                 |  |
|---------------|-----------------|--|
| <b>Acute:</b> | <b>Oral:</b>    | C <sub>9-12</sub> -iso alkane may be harmful if swallowed, possibly causing lung damage by aspiration. |
|               | <b>Dermal:</b>  | No evidence of dermal toxicity.  |
|               | <b>Inhaled:</b> | No evidence of inhalation toxicity.  |
|               | <b>Eye:</b>     | Limited data available on the mixture, Silicone are irritating to the eye.                             |
|               | <b>Skin:</b>    | One of the ingredients (C <sub>9-12</sub> -iso alkane) is considered mildly irritating to the skin.    |



|                 |                                      |  |
|-----------------|--------------------------------------|--|
| <b>Chronic:</b> | <b>Sensitisation:</b>                | No ingredient present at concentrations > 0.1% is considered a sensitizer.   |
|                 | <b>Mutagenicity:</b>                 | No ingredient present at concentrations > 0.1% is considered a mutagen.  |
|                 | <b>Carcinogenicity:</b>              | No ingredient present at concentrations > 0.1% is considered a carcinogen.   |
|                 | <b>Reproductive / Developmental:</b> | No ingredient present at concentrations > 0.1% is considered a reproductive or developmental toxicant or have any effects on or via lactation. |
|                 | <b>Systemic:</b>                     | No ingredient present at concentrations > 1% is considered a target organ toxicant.  |

|  |             |
|--|-------------|
| <b>Aggravation of Existing Conditions:</b> | None known. |
|--|-------------|

## 12. Ecological Data

### Summary

This product may be harmful to aquatic organisms. Do not discharge into sewer or waterways.

### Supporting Data

|                                 |   |
|---------------------------------|---|
| <b>Aquatic Bioaccumulation</b>  | C <sub>9</sub> -C <sub>12</sub> -iso-alkanes) has been classified 9.1B – ecotoxic in the aquatic environment.   |
| <b>Degradability</b>            | No data   |
| <b>Soil</b>                     | No evidence of soil toxicity.   |
| <b>Terrestrial Vertebrate</b>   | This product is not considered harmful to terrestrial vertebrates. No LC <sub>50</sub> (diet) data for ingredients are available and the classification is based on the LD <sub>50</sub> (oral) – see section 11 – oral toxicity. |
| <b>Terrestrial Invertebrate</b> | No evidence of toxicity towards terrestrial invertebrates.  |
| <b>Biocidal</b>                 | 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>        | This material may be suitable for approved landfill. Dispose of only in accord with all regulations.   |
| <b>Contaminated Packaging</b> | Preferably re-cycle container, otherwise send to landfill or similar.  |

## 14. Transport Information

Transport according to NZS 5433 (Transport of Hazardous Substances on Land). Considered a dangerous good (DG) for transport.

|                    |                  |                             |   |
|--------------------|------------------|-----------------------------|---|
| <b>UN Number</b>   | 1993             | <b>Proper Shipping Name</b> | FLAMMABLE LIQUID, N.O.S. (contains alkanes) |
| <b>Class(es)</b>   | 3                | <b>Packing group</b>        | III   |
| <b>Precautions</b> | Flammable liquid | <b>HAZCHEM code</b>         | 3Y  |

## 15. Regulatory Information

This product has been approved under the Hazardous Substances and New Organisms Act, EPA approval code: HSR002528 - Cleaning Products (Flammable) Group Standard 2006

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

|   |   |
|---|---|
| <b>Key workplace requirements are:</b>  |   |
| <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>Flammable zone</b>   | Must be established if storing >100 L (closed containers), >25 L (decanting) in any one location. |
| <b>Fire Extinguishers</b>   | Required if > 500L is stored.   |
| <b>Location test certification</b>  | Required if > 1500L of containers smaller than 5L is stored.                                      |
| <b>Emergency plan</b>   | Approved Evacuation Scheme required if > 1000L is stored.   |
| <b>Bunding and secondary containment</b>  | Required if > 1000L is stored.  |
| <b>Signage</b>  | Required if > 1000L is stored in any one location.  |
| <b>Approved handler and tracking</b>  | Not required.   |
| Note: The above workplace requirements apply if only this particular substance is present. The complete set of controls for a location 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   |  |
|---|--|
| <i>Abbreviations</i>  |  |
| <b>Approval Code</b>  | Approval HSR002528 Cleaning Products (Flammable) 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>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>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) <a href="http://www.epa.govt.nz/hs/compliance/chemicals.html">http://www.epa.govt.nz/hs/compliance/chemicals.html</a> , for specific chemicals.  |
| <b>WES 2013</b>   | The NZ Workplace Exposure Standards Effective from 2013, 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, SDS of ingredient   |
| <i>Review</i>   |  |
| <b>Date</b>   | <b>Reason for Review</b>   |
| March 2005  | New MSDS   |
| 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   | New logo, company name, HSE to HSAW  |
| <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> |  |
|   |  |