

## 1. Identification of Substance & Company

### Product

|                             |   |
|-----------------------------|---|
| <b>Product name</b>         | Viking Surface sealer Part A  |
| <b>Other names</b>          | Viking Primer Sealer Part A   |
| <b>Product code</b>         | VPS100A   |
| <b>HSNO approval</b>        | HSR002670   |
| <b>Approval description</b> | Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2017 |
| <b>UN number</b>            | NA  |
| <b>DG class</b>             | NA  |
| <b>Proper Shipping Name</b> | NA  |
| <b>Packaging group</b>      | NA  |
| <b>Hazchem code</b>         | NA  |
| <b>Uses</b>                 | part A - epoxy sealer   |

### Company Details

|                         |   |  |
|-------------------------|---|--|
| <b>Company</b>          | <b>Viking Roofspec</b>                                    |  |
| <b>Physical Address</b> | 80 Alexander Crescent<br>Otara<br>Auckland<br>New Zealand | PO Box 14 451<br>Panmure<br>Auckland 1741<br>New Zealand |
| <b>Telephone</b>        | 0800 729 799  |  |
| <b>Fax</b>              | 0800 729 788  |  |
| <b>Website</b>          | www.vikingroofspec.co.nz                                  |  |

**Emergency Telephone Number: 0800 764 766**

## 2. Hazard Identification

### Approval

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO, Approval HSR002670, Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2017). The substance has been classified as hazardous according to the criteria in the Hazardous substances (Minimum Degrees of Hazard) Notice 2017.

### Classes

6.3A  
6.4A  
6.5B  
9.1C

### Hazard Statements

H315 - Causes skin irritation.  
H320 - Causes eye irritation.  
H317 - May cause an allergic skin reaction.  
H412 - Harmful to aquatic life with long lasting effects.

### SYMBOLS

**WARNING**



### Other Classifications

There are no other classifications that are known to apply.

### Precautionary Statements

P103 - Read label before use.  
P261 - Avoid breathing vapours.  
P264 - Wash hands thoroughly after handling.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/eye protection/face protection.  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
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.  
 P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
 P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
 P363 - Wash contaminated clothing before reuse.

### 3. Composition / Information on Ingredients

| Component   | CAS/ Identification | Conc (%) |
|---|---------------------|----------|
| Polyamide resin   | proprietary         | 10-30%   |
| Pigment   | trade secret        | 10-30%   |
| Calcium carbonate   | 1317-65-3           | <10%     |
| Ingredients not contributing to HSNO classes, including water | 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

If medical advice is needed, have product container or label at hand. 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).

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

#### Exposure

**Swallowed** DO NOT INDUCE vomiting. Contact the National Poisons Centre or a Doctor if experiencing symptoms. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs.  
**Eye contact** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.  
**Skin contact** IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.  
**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 not classed as flammable.  
**Suitable extinguishing substances:** Carbon dioxide, extinguishing powder or water jet. Fight larger fires with water jet or alcohol resistant foam.  
**Unsuitable extinguishing substances:** Unknown.  
**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.  
**Protective equipment:** Self-contained breathing apparatus. Safety boots, non-flammable overalls, gloves, hat and eye protection.  
**Hazchem code:** NA

### 6. Accidental Release Measures

|                             |  |
|-----------------------------|--|
| <b>Containment</b>          | If greater than 1000L 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.   |
| <b>Emergency procedures</b> | In the event of spillage alert the fire brigade to location and give brief description of hazard.<br>Stop the source of the leak, if safe to do so. Shut off all possible sources of ignition. Wear protective equipment to prevent skin, eye and respiratory exposure. Clear area of any unprotected personnel. Contain using sand, earth or vermiculite. Do not use sawdust. Prevent by whatever means possible any spillage from entering drains, sewers, or water courses. (If this occurs contact your regional council immediately). |
| <b>Clean-up method</b>      | Use absorbent (soil, sand or other inert material). Rags are not recommended for the clean-up of spills, as they may create fire or environmental hazard. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.   |
| <b>Disposal</b>             | 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.  |
| <b>Precautions</b>          | Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation.   |

### 7. Storage & Handling

|                 |  |
|-----------------|--|
| <b>Storage</b>  | Avoid storage of harmful substances with food. Store out of reach of children. Containers should be kept closed in order to minimise contamination. Keep in a cool, dry place. 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 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 Stds | Ingredient        | WES-TWA*            | WES-STEL         |
|----------------------------|-------------------|---------------------|------------------|
|                            | calcium carbonate | 10mg/m <sup>3</sup> | data unavailable |

\* These workplace exposure standards are also Prescribed Exposure Standards (PES) under the Health and Safety at Work (General Risk and Workplace Management) Regulations 2016.

**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> |  | Avoid contact with eyes. Use safety glasses and or chemical splash goggles if splashes are possible. Select eye protection in accordance with AS/NZS 1337.   |
| <b>Skin</b> |  | Avoid repeated or prolonged skin contact. Wear overalls, rubber boots and impervious gloves. Neoprene or rubber 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. Remove protective clothing and wash exposed areas with soap and water prior to eating, drinking or smoking. Wash hands after handling. |

**Respiratory**

A respirator when airborne concentrations approach the WES (section 8). Respirators must have filters appropriate to the duty and comply with AS/NZS1716 and selected, used and maintained in accordance with AS/NS 1715. Use a respiratory with a particulate filter (dust/mist). If using a respirator, ensure that the cartridges are correct for the potential air contamination and are in good working order. Fit testing and clear guidelines and training for use and maintenance of PPE are necessary.

**WES Additional Information**

Not applicable

**9. Physical & Chemical Properties**

|   |                       |
|---|-----------------------|
| <b>Appearance</b>                         | white/coloured liquid |
| <b>Odour</b>                              | ammonical odour       |
| <b>pH</b>                                 | 8.5-9.5               |
| <b>Vapour pressure</b>                    | no data               |
| <b>Viscosity</b>                          | no data               |
| <b>Boiling point</b>                      | 100°C                 |
| <b>Volatile materials</b>                 | 58%                   |
| <b>Freezing / melting point</b>           | no data               |
| <b>Solubility</b>                         | soluble in water      |
| <b>Specific gravity / density</b>         | 1.24g/cm <sup>3</sup> |
| <b>Flash point</b>                        | no data               |
| <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 groups</b>                | none known  |
| <b>Substance Specific Incompatibility</b> | none known  |
| <b>Hazardous decomposition products</b>   | oxides of carbon and nitrogen, nitric acid, ammonia.  |
| <b>Hazardous reactions</b>                | none known  |

**11. Toxicological Information**

**Summary**

IF IN EYES: may cause irritation of the eyes.  
 IF ON SKIN: causes skin irritation or rash.  
 IF INHALED: vapours may cause respiratory irritation.

**Supporting Data**

|                |  |   |
|----------------|--|---|
| <b>Acute</b>   | <b>Oral</b>  | Using LD <sub>50</sub> 's for ingredients, the calculated LD <sub>50</sub> (oral, rat) for the mixture is >5,000 mg/kg. Data considered includes: polyamide resin >2000mg/kg bw.  |
|                | <b>Dermal</b>                                      | Using LD <sub>50</sub> 's for ingredients, the calculated LD <sub>50</sub> (dermal, rat) for the mixture is >5000 mg/kg. Data considered includes: Polyamide resin>2000mg/kg bw.  |
|                | <b>Inhaled</b>                                     | No evidence of inhalation toxicity.   |
|                | <b>Eye</b>   | The mixture is considered to be irritating to the eye.  |
|                | <b>Skin</b>  | The mixture is considered to be a skin irritant, because some of the ingredients present are considered skin irritants in more concentrated form.                                 |
| <b>Chronic</b> | <b>Sensitisation</b>                               | The mixture is considered to be a contact sensitizer, because at least one of the ingredients present in greater than 0.1% is known to be a contact sensitizer (polyamide resin). |
|                | <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 evidence of reproductive/developmental toxicity.   |
|                | <b>Systemic Aggravation of existing conditions</b> | No ingredient present at concentrations > 1% is considered a target organ toxicant.<br>None known.  |

## 12. Ecological Data

### Summary

This mixture is considered harmful in the aquatic environment with long lasting effects.

### Supporting Data

|                                 |   |
|---------------------------------|---|
| <b>Aquatic</b>                  | Using EC <sub>50</sub> 's for ingredients, the calculated EC <sub>50</sub> for the mixture is between 10 mg/L and 100 mg/L and at least one of the components is either bioaccumulative or persistent in the aquatic environment. Data considered includes: polyamide resin 7.07mg/L (96h, Danio rerio (fish)), 5.18mg/L (48hr, Daphnia magna). |
| <b>Bioaccumulation</b>          | No data   |
| <b>Degradability</b>            | No data   |
| <b>Soil</b>                     | No evidence of soil toxicity.   |
| <b>Terrestrial vertebrate</b>   | See acute toxicity.   |
| <b>Terrestrial invertebrate</b> | No evidence of toxicity towards terrestrial invertebrates.  |
| <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

### Land Transport Rule: Dangerous Goods 2005 - NZS 5433:2007

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>         | NA |

## 15. Regulatory Information

This product is an approved substance under the Hazardous Substances and New Organisms Act (HSNO). Approval code: HSR002670, Surface Coatings and Colourants (Subsidiary Hazard) Group Standard 2017.

All Ingredients appear on the NZIoC.

### Specific Controls

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 > 1000L is stored.  |
| Certified handler                | Not required.   |
| Tracking                         | Not required.   |
| Bundling & secondary containment | Required if > 1000L is stored.  |
| Signage                          | Required if > 1000L 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 HSR002670, Surface Coatings and Colourants (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>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/UEL</b>         | Lower Explosive Limit/ Upper 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>NZIoC</b>           | New Zealand Inventory of Chemicals   |
| <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>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>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> | Suppliers SDS, EU ECHA, ingredients SDS's, ChemIDplus   |

**Review**

| <b>Date</b> | <b>Reason for review</b> |
|-------------|--------------------------|
| August 2018 | Not applicable – new SDS |

**Disclaimer**

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 for this SDS have been estimated based on general information from the supplier (e.g., hazard, toxicological). Full formulation details were not available. 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](mailto:info@datachem.co.nz) or phone: +64 9 940 30 80.

