

### 1. Identification of Substance & Company

#### Product

<b>Product name</b>	Torch-on Primer Water based	
<b>Other names</b>	General Eco-Primer	
<b>Product code</b>	20L - SES300, 1L - SES297	
<b>HSNO approval</b>	non hazardous	
<b>Approval description</b>	non hazardous	
<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>	Coating/bituminous paint with water base for the building industry	

#### Company Details

<b>Company</b>	<b>Viking Roofspec</b>	
<b>Physical Address</b>	80 Alexander Crescent Otara Auckland New Zealand	PO Box 14 451 Panmure Auckland 1741 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 not classified as a hazardous according to the criteria of the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017

#### Classes

none

#### Hazard Statements

#### SYMBOLS

none

#### Other Classifications

There are no other classifications that are known to apply.

#### Precautionary Statements

none

### 3. Composition / Information on Ingredients

Component	CAS/ Identification	Conc (%)
Bitumen	8052-42-4	not specified
Emulsifiers	Proprietary	not specified
Water	7732-18-5	not specified

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 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 recommended.

**Exposure**

<b>Swallowed</b>	The product is not considered harmful if swallowed. In case of persistent symptoms, contact the National Poisons Centre or a Doctor.
<b>Eye contact</b>	If product gets in eyes, wash material from them with running water for several minutes. If symptoms persist, seek medical advice.
<b>Skin contact</b>	Flush with large amounts of water. Remove all contaminated clothing. Contact a doctor if experiencing symptoms.
<b>Inhaled</b>	Generally, inhalation of vapours 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>	There are no specific risks for fire/explosion for this chemical. It is non-flammable.
<b>Suitable extinguishing substances:</b>	Carbon dioxide, extinguishing powder or water jet. Fight larger fires with water jet or alcohol resistant foam.
<b>Unsuitable extinguishing substances:</b>	Unknown.
<b>Products of combustion:</b>	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.
<b>Protective equipment:</b>	No special measures are required.
<b>Hazchem code:</b>	NA

**6. Accidental Release Measures**

<b>Containment</b>	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. Stop the source of the leak, if safe to do so. Wear protective equipment to prevent skin, eye and respiratory exposure. Clear area of any unprotected personnel. Contain using sand, earth or vermiculite. 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>	No special protective clothing is normally necessary.

**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 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 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
	Bitumen	5mg/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>	Protective eyewear is not normally necessary when using this product. However, it always prudent to use protective eyewear if splashes are likely.
<b>Skin</b>	Protective gloves and clothing are not normally necessary. However, it is prudent to wear gloves when handling chemicals in bulk or for an extended period of time.
<b>Respiratory</b>	Respirator is not required under normal use. Ensure adequate natural ventilation. If product is being used in confined conditions, the use of a mask or respirator may be preferred.

#### WES Additional Information

Not applicable

### 9. Physical & Chemical Properties

<b>Appearance</b>	brown liquid
<b>Odour</b>	no data
<b>pH</b>	8-10
<b>Vapour pressure</b>	no data
<b>Viscosity</b>	no data
<b>Boiling point</b>	no data
<b>Volatile materials</b>	no data
<b>Freezing / melting point</b>	no data
<b>Solubility</b>	water soluble
<b>Specific gravity / density</b>	1kg/L @20°C
<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>	none known
<b>Hazardous reactions</b>	none known

## 11. Toxicological Information

### Summary

IF IN EYES: direct contact may cause eye irritation.

IF ON SKIN: prolonged or repeated contact with skin may result in slight skin irritation.

IF INHALED: excessive exposure to vapours or spray mist may cause slight irritation to throat.

CHRONIC: heating bitumen may release emissions that are probably carcinogenic to humans if inhaled.

### Supporting Data

<b>Acute</b>	<b>Oral</b>	No evidence of acute oral toxicity.
	<b>Dermal</b>	No evidence of acute dermal toxicity.
<b>Chronic</b>	<b>Inhaled</b>	No evidence of acute inhalation toxicity. Fumes/vapours may be irritating to throat.
	<b>Eye</b>	The mixture is considered to be an eye irritant.
	<b>Skin</b>	The mixture is considered to be a skin irritant.
	<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>	Bitumen is classed by IARC as possibly carcinogenic to humans, group 2A. This refers to oxidised bitumen and their emissions during for roofing, e.g. when heated to a high temperature. This mixture is a water based emulsified bitumen and is used at room temperature. No emissions are expected during use. No studies have been carried out on water based emulsions of bitumen.
	<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 mixture is not expected to be ecotoxic in the environment.

### Supporting Data

<b>Aquatic</b>	No data for mixture is available. Using EC <sub>50</sub> 's for ingredients, the estimated EC <sub>50</sub> for the mixture is > 100 mg/L.
<b>Bioaccumulation</b>	Not applicable.
<b>Degradability</b>	Not applicable.
<b>Soil</b>	No data available for the mixture.
<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>	The mixture is not considered harmful to terrestrial invertebrates.
<b>Biocidal</b>	Not applicable

## 13. Disposal Considerations

<b>Restrictions</b>	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.
<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 not classified as a hazardous according to the criteria of the Hazardous Substances (Minimum Degrees of Hazard) Notice 2017.

All ingredients appear on the NZIoC.

### Specific Controls

Key workplace requirements are:

SDS	Not required.
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	Not required.
Approved handler	Not required.
Tracking	Not required.
Bunding & secondary containment	Not required.
Signage	Not required.
Location test 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 non hazardous, non haz 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

**WES** 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

**Data** Unless otherwise stated comes from the EPA HSNO chemical classification information database (CCID).  
**Controls** EPA notices, [www.epa.govt.nz](http://www.epa.govt.nz), Health and Safety at Work (Hazardous Substances) Regulations 2017, [www.legislation.govt.nz](http://www.legislation.govt.nz)  
**WES** The latest NZ Workplace Exposure Standards, published by WorkSafe NZ and available on their web site – [www.worksafe.govt.nz](http://www.worksafe.govt.nz).  
**Other References:** Suppliers SDS, EU ECHA, ChemIDplus

#### Review

Date	Reason for review
July 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.

