Section 1 – Identification of Chemical Product and Company

Code	Description	Size	Colour
23000	**Gorilla Crosslinking PVA**	250 g	White
23001	**Gorilla Crosslinking PVA**	500 g	White
23002	**Gorilla Crosslinking PVA**	1 Kg	White
23004	**Gorilla Crosslinking PVA**	20 Kg	White

Recommended use:		Sealant
Supplier contact details:	Soudal Ltd	Freephone: 0800 70 10 80
	14 Avalon Drive	Phone: (07) 847 5540
	Nawton	Fax: (07) 847 0324
	Hamilton 3200	Email: sales@soudal.co.nz
	New Zealand	Website: www.soudal.co.nz
POISON CENTRE NUMBER: 0800 764 766 (24 hours)		

Section 2 – Hazard Identification

Statement of Hazardous Nature

This product is classified as: **NON-HAZARDOUS SUBSTANCE** according to the criteria of HSNO.

NOT REGULATED under NZS5433:2007 Transport of Dangerous Goods on Land

Hazardous Substances and New Organisms (HSNO) classification:

Classification	GHS Hazard statements
Non Hazardous	

HSNO Signal Word :

Precautionary Statements:

Read label before use.

Ensure all safety directions are read and understood before use

Section 3 - Composition/Information on Ingredients

Ingredient	CAS No.	Individual HSNO classification	Concentration (% by Wt.)
Preservative			< 1
Vinyl acetate	108-05-4	Acute Inhalation Toxicity Category 3; Acute oral toxicity Category 4; Acute dermal toxicity Category 4; skin effects Category 2; Eye Effects Category 2; Mutagenicity Category 1; Carcinogenicity Category 2; Reproductive Toxicity Category 2; STOT-SE Category 2; STOT-RE Category 2; Chronic Aquatic Toxicity Category 4; Vertebrate Toxicity Category 3	< 0.1
Ingredients not classified as hazardous		Non hazardous	> 99

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

Section 4 – First Aid Measures

NZ Poisons Centre 0800 POISON (0800 764 766) | NZ Emergency Services: 111

Skin contact:
Flush skin and hair with running water (and soap if available). Seek medical attention in event of irritation.

Eye contact:
Generally not applicable

Inhalation:
Remove from contaminated area. Other measures are usually unnecessary.

Ingestion:
Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

General advice and advice for physicians:
You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 0800 764766 from anywhere in New Zealand (13 1126 in Australia) and is available at all times. Have this SDS or product label with you when you call.

Treat symptomatically.

Section 5 - Fire-Fighting Measures

Extinguishing media:
The product contains a substantial proportion of water, therefore there are no restrictions on the type of extinguishing media which may be used.

Special hazards due to combustion:

Advice for fire-fighters:
Slight hazard when exposed to heat, flames and oxidisers. Take account of environmentally hazardous fire-fighting water.

Section 6 - Accidental Release Measures

Personal precautions:
Clear are of personnel and move upwind, avoid breathing vapour

Environmental precautions:
Dam up the liquid spill. Use appropriate containment to avoid environmental contamination.

Methods for cleaning up:
Take up liquid spill into absorbent material e.g. sand/earth
Shovel absorbed substance in closing drums
Carefully collect the spill/leftovers
Clean contaminated surfaces with an excess of water
Take collected spill to manufacturer/competent authority
Wash clothing and equipment after handling

Disposal:
Collect treated spillage. Contact local and regional authorities for further directions.

Section 7 - Handling and Storage

Handling:
Observe normal hygiene standards. Remove contaminated clothing immediately and wash before re-use.

Storage:

Store in original containers. Store between 5 – 30 °C, Do not allow to freeze.

Section 8 - Exposure Controls/Personal Protection

Exposure limits:

CAS no.	Substance or ingredient	WES-TWA	WES-STEL
108-05-4	Vinyl acetate	35 mg/m^3 10 ppm	70 mg/m^3 20 ppm

The TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak "is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Engineering Controls:
This product should only be used where there is ventilation that is adequate to keep exposure below the TWA levels. If necessary, use a fan.
Eyewash unit

Exposure controls:

Control	Protective measure
Eye	Wear safety glasses with side shields. [AS 2919] 
Respiratory	Type A organic respirator of sufficient capacity is recommended 
Skin	Butyl; neoprene or viton gloves are recommended if skin contact or contamination of clothing is likely, protective clothing should be worn. [AS 2161] Wear protective clothing. 

Section 9 - Physical and Chemical Properties

General substance properties:

Property	Details
Appearance	White fluid
Odour	Characteristic
pH	3.3 – 3.7
Vapour pressure	No data
Vapour Density	No data
Viscosity	Liquid
Boiling Point	100 ^{0}C
Volatile materials	No data

Water solubility	No data
Freezing/melting point	0 ^{0}C
Solubility	Miscible in water
Specific gravity/density	1.15 g/ml
Flash point	No data
Auto-ignition temperature	No Data
Upper and lower flammability limits	Lower % Upper %
Corrosiveness	No data.

Section 10 - Stability and Reactivity

Stability:
Stable under normal conditions.

Conditions to avoid:
Do not freeze

Incompatible materials to avoid:
Avoid oxidising agents (nitrates, oxidising acids, chlorine bleaches, pool chlorine etc) as ignition may result

Hazardous decomposition products:
Combustion products include, carbon monoxide (CO), carbon dioxide (CO_2), other pyrolysis products typical of burning organic material May emit poisonous fumes.

Section 11 - Toxicological Information

Summary of Toxicity

Acute toxicity:

Test	**Data and symptoms of exposure**
Oral	The material has NOT been classified by EC Directives or other classification systems as "harmful by ingestion".
Dermal	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Open cuts, abraded or irritated skin should not be exposed to this material Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects.
Inhaled	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models).
Eye	Although the material is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).

Chronic toxicity:
There is some evidence that inhaling this product is more likely to cause a sensitisation reaction in some persons compared to the general population. There has been concern that this material can cause cancer or mutations, but there is not enough data to make an assessment.

Test	**Data and symptoms of exposure**

Sensitisation	Final product is not considered a skin sensitiser.
Mutagenicity	Final product is not considered mutagenic, but does contain an ingredient that has been determined to be mutagenic
Carcinogenicity	Final product is not considered carcinogenic but does contain an ingredient that has been determined to be carcinogenic.
Reproductive/developmental	Final product is not considered a reproductive/developmental toxicant but does contain an ingredient that has been determined to be a reproductive toxin
Systemic/targeted organs	Final product is not considered a systemic toxicant but does contain an ingredient that has been determined to be a systemic toxin

Section 12 - Ecological Information

Ecological properties

DO NOT discharge into sewer or waterway

Ecology	**Ecological data**
Aquatic ecotoxicity	No data
Soil ecotoxicity	No data.
Terrestrial vertebrate	No data
Terrestrial invertebrate	No data.
Bioaccumulation	No data
Mobility	No data
Degradability	No data.

Section 13 - Disposal Considerations

Disposal methods:
This product may be disposed of in a landfill provided this product will be kept separated from contact with explosives, oxidisers and ignition sources at all times. This product may be disposed of by burning in an incineration facility. This product may be disposed of by purging. Further details can be provided by local and regional authorities.

Disposal restrictions:
The product must not be disposed of in a landfill or purged within range of legally located persons and places, where upon ignition, would expose them to more blast pressure and heat radiation that described in regulation 6(3)(b) of the Hazardous Substances (Disposal) Regulations 2001. Burning must be managed to the performance requirements of regulation 6(3)(b) of the Hazardous Substances (Disposal) Regulations 2001. Disposal of this product by landfill, burning or purging must not exceed any relevant exposure limits and/or environmental exposure limits set for the substance or any of its components. Further details can be provided by local and regional authorites.

Special precautions for disposal:
No data.

Section 14 - Transport Information

NOT REGULATED

Section 15 - Regulatory Information

HSNO approval number and Group Standard:
Not applicable

Group Standard conditions and other regulations:

Condition	Requirement
SDS	Safety data sheet must be available to a person handling the substance within 10 minutes.
Emergency plan	Not required although recommended
Approved handler	Not required
Tracking	Not applicable
Bunding and secondary containment	Must be in place for all liquid materials
Signage	Not required
Test certificate	Not Required
Hazardous Atmosphere zone	Not Required
Fire extinguisher	Not Required

Water (CAS 7732-18-5) is found on the following regulatory lists
- New Zealand Inventory of Chemicals (NZIoC)

Vinyl acetate (CAS 108-05-4) is found on the following regulatory lists
- New Zealand Inventory of Chemicals (NZIoC)
- International Agency for Research on Cancer (IARC) – Agents classified by the IARC monographs
- International Air Transport Association (IATA) Dangerous Goods Regulations – Prohibited list Passenger and Cargo Aircraft
- New Zealand Workplace Exposure Standards (WES)
- New Zealand Hazardous Substances and New Organisms (HSNO) Act – Classification of Chemicals

National Inventories

Australia	AICS	Y
Canada	DSL	Y
Canada	NDSL	N
China	IECSC	Y
Europe	EINEC/ELINCS/NLP	Y
Japan	ENCS	N
Korea	KECI	Y
New Zealand	NZIoC	Y
Philippines	PICCS	Y
USA	TSCA	Y

Y = All ingredients are on the inventory

Section 16 – Other Information

Date of first preparation
January 2016

Abbreviations:

Abbreviation	Description
CAS number	Number assigned to chemical in the Chemical Abstracts Service registry

HAZCHEM code	Code used by fire-fighters to determine correct method of action in the case of fire
HSNO	Hazardous Substances and New Organisms (Act)
ICAO Technical Instructions	International Civil Aviation Organization Technical Instructions
IMDG code	International Maritime Dangerous Goods code controlled by the International Maritime Organization (IMO)
LC_{50}	Lethal concentration 50% - concentration fatal to 50% of the tested population
LD_{50}	Lethal dose 50% - dose fatal to 50% of the tested population
NZS 5433	New Zealand Standard 5433 (Standard for the Transport of Dangerous Goods on Land)
SDS	Safety data sheet
STEL	Short term exposure limit
TWA	Time weighted average (typically measured as 8 hours)
UN number	United nations number
WES	Workplace exposure standard

References

Chemical properties and HSNO classifications derived from the New Zealand chemical classification information database (CCID).www.epa.govt.nz.
Workplace exposure limits derived from Workplace Exposure Standards and Biological Exposure Indices 7th Edition. www.mbie.govt.nz.

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material in combination with any other material or in any process, unless specified in the text.

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	New Zealand	Website: www.soudal.co.nz

This SDS was prepared by Collievale Enterprises in accord with the EPA "Code of Practice for the Preparation of Safety Data Sheets" [HSNOCOP 8-1 (2006)]
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End of MSDS