

<b>Project:</b>	Health Based Building™ Magnum® board
<b>Substrate:</b>	Magnum® Board (Magnesium Oxide Board)
<b>Interior/Exterior:</b>	Exterior
<b>Finish:</b>	Wattyl Solagard® Low Sheen

## Product Description

Wattyl Solagard Low Sheen is a tough and durable exterior paint which offers protection for your home in any weather or climate. Solagard's Total Protection Technology is designed to keep your home looking better for longer. Solagard Low Sheen's gloss level provides the best balance between appearance, dirt resistance and flexibility for greater protection.

## Surface Preparation

Ensure the substrate is clean and free from dirt, grease, dust, mould, other contaminants or loose material that may interfere with adhesion. Ensure all sheets are installed as per the manufacturer's specification and installation instructions.

Fill any screw holes, cracks, etc., with an appropriate exterior grade filler, sand and remove dust according to manufacturer's instructions.

## Coatings System

	1 <sup>st</sup> Coat	2 <sup>nd</sup> Coat	3 <sup>rd</sup> Coat	4 <sup>th</sup> Coat(Optional)
	 Wattyl GranoPrime®	 Wattyl Solagard® Low Sheen	 Wattyl Solagard® Low Sheen	 Wattyl Solagard® Low Sheen
<b>Technical Data Sheet</b>	G1.02	D4.14	D4.14	D4.14
<b>A.P.A.S. Specification</b>	-	APAS 0280/3 & 0280/5	APAS 0280/3 & 0280/5	APAS 0280/3 & 0280/5
<b>Australian Standard</b>	-	AS3730.8	AS3730.8	AS3730.8
<b>Application Method</b>	Brush, roller, spray(backroll)	Brush, roller, spray	Brush, roller, spray	Brush, roller, spray
<b>Thinners/Clean-up</b>	Water	Water	Water	Water
<b>Spreading Rate</b>	12.5 m <sup>2</sup> /litre	16 m <sup>2</sup> /litre	16 m <sup>2</sup> /litre	16 m <sup>2</sup> /litre
<b>Dry Film Thickness</b>	20 microns	24 microns	24 microns	24 microns
<b>Recoat</b>	2-6 hours	2 hours	2 hours	2 hours

## Additional Notes

Upon colour selection, to ensure optimum colour match/coverage, the potential use of a tinted undercoat may be required. Alternatively, an additional topcoat might be required. To confirm any colour requirements, contact Wattyl Assist on 132 101.

This specification is based on tests carried out on samples supplied. If the condition of the substrate is different, retesting is required to confirm the specification. If fixing protrusions or patching needs to be completely hidden, please refer to Wattyl for the appropriate advice.

This specification is for non-recessed board. If a recessed board requiring jointing compound is in use, please refer to Wattyl for the appropriate GranoSite system.

**Caution:** Provide adequate ventilation during use.

Application should not be carried out if the air temperature or the substrate temperature is below 10°C or above 35°C. The temperature must not fall below 10°C during the drying process. Leave seven days after application of final coat before washing.

When subject to steam or condensation, water-based paints may develop a stain, which can be removed with a damp cloth. Avoid exposure to excessive steam or condensation for 48 hours after application of the final coat.

**REFER TO PRODUCT TECHNICAL DATA SHEETS AND SAFETY DATA SHEETS FOR FURTHER INFORMATION ON THE PRODUCTS MENTIONED IN THIS SPECIFICATION SHEET**

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**VERSION 2**  
**Aug 2024**

1. This information is provided with respect to the listed products. Please (a) Review the Technical Data Sheet and Safety Data Sheet before you use or handle the product; (b) Transport, handle and use the product in accordance with the relevant TDS, SDS and instructions; and (c) Thoroughly test the product on a sample of intended substrate, before using the product.
2. While we try to maintain the accuracy of this information, we cannot guarantee that the information is wholly comprehensive. Please conduct such additional investigations as may be necessary to satisfy yourself of the accuracy, currency and comprehensiveness of the information on which you rely before using the product, or contact us if you require further information.
3. If you are not a Consumer as defined by Australian Consumer Law, we are not liable for breach of any warranty, term, condition, guarantee or similar, or any loss or damage including any special, incidental or consequential damages suffered by you, to the full extent permitted by law. Our liability is limited, at our option, to the replacement of nonconforming product or a refund of the product purchase price. These limitations do not apply to you if the product was acquired by you as a Consumer under the Australian Consumer Law. A person who buys a good in trade or commerce for the purpose of re-supply; to use them up or transform the goods in the course of a process of production or manufacture; or in the course of repairing or treating other goods or fixtures on land, has not acquired the good as a consumer under the Australian Consumer Law. If you are a Consumer as defined by the Australian Consumer Law, and you are buying goods which are not ordinarily acquired for personal, domestic or household use or consumption our liability for breach of any warranty, term, condition, guarantee or similar, is limited to the full extent permitted by law, at our option, to the replacement of the product or a refund of the product purchase price.

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GRANOPRIME

RESOURCE CODE 852001  
APRIL 2024  
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Description & Uses

GranoPrime is an acrylic primer sealer. GranoPrime can be applied by brush, roller or spray, prior to the application of most of the Wattyl Granosite texture systems. GranoPrime ensures the optimum performance of the complete coating system by stabilising irregularities in substrate adsorption and mechanical strength. On concrete, cement render and mortar joints, the use of GranoPrime minimises the threat of loss of adhesion or other problems that may arise due to the presence of residual alkali salts.

Features & Benefits

- Stabilises irregularities in substrate absorption and mechanical strength
- Speeds the application, controls the drying and ensures strong adhesion of topcoats to the substrate
- Minimises the threat of loss of adhesion or other problems that may arise due to presence of residual alkali salts
- As an acrylic, not subject to the degradation that can occur with polyvinyl acetates (PVAs) in an alkaline environment

Colours

Off-White.

Do not tint GranoPrime.

Properties & Performance Guide

Dry & Recoat Times	Surface Dry - 2 hours Recoat - 2-6 hours Topcoat - Within 14 days of application Figures are quoted at 25°C and at 50% humidity. Drying will take longer at lower temperatures or higher relative humidity.
Density	1.3 Kg/L.
Consistency	Milky liquid.
Coverage	0.08 L/M <sup>2</sup> (12.5M <sup>2</sup> /L).
Wet Film Thickness Dry Film Thickness	80 microns (approx). 20 microns (approx).

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## Environmental Data &amp; Certifications



White Verified to Eco Choice Aotearoa (ECA) Specification EC-07-18.  
Licence No:0709054

## Properties &amp; Performance Guide...Continued

Thinning	High Absorption Substrates Medium Absorption Substrates Low Absorption Substrates	Mix 1 part GranoPrime with 1 part water Mix 2 parts GranoPrime with 1 part water Use GranoPrime undiluted
Clean Up	Clean up with cold water away from drains. <b>Protect Our Environment:</b> Do not pour leftover paint down the drain. Unwanted paint should be kept in a sealed container, and then disposed of via special waste collection services. Empty paint containers should be left open in a well ventilated area to dry out. Disposal of empty paint containers may differ between local authorities. Check with your local council first.	
VOC (Volatile Organic Compounds)	VOC < 10g/L.	

## Recommended Substrate Conditions &amp; Preparation

Surfaces are to be suitably prepared in accordance with proper trade practices.

**High Absorption Substrates:** Concrete block, Calsil® brick, autoclaved aerated concrete (AAC).

**Medium Absorption Substrates:** Off-form concrete under 40 MPa, cement render, ExoTec®, CFC, fibre cement sheeting, coloured renders, lime washes, GranoRender Coarse (G1.18), GranoRender PM Medium (G1.25), GranoRender Sponge Fine Finish (G1.17), GranoReady Render (G1.12), GranoSponge Fine Acrylic (G1.21), GranoPatch Smooth (G1.04), GranoPatch Spackle (G1.05), GranoFlex (G1.15).

**Low Absorption Substrates:** Previously painted surfaces, off-form concrete over 40 MPa, high density bricks.

GranoPrime is **not suitable** for application to steel or timber surfaces.

GranoPrime may be used as part of the GranoRoof system for properly cleaned concrete roof tiles.

Surface preparation is the responsibility of the Builder, Renovator or Main Contractor and the Applicator. To achieve the indicated performance, application must be carried out according to Wattyl's recommendations.

Ensure the surface is clean and dry. All substrates must be free of dirt, dust, grease, oil, mould release agents, bond-breakers and any other contaminants that may interfere with adhesion.

Fresh cementitious substrates should be left for 14-28 days before coating. There must be less than 15% moisture content in the surface at the time of coating to ensure optimum coating performance.

For specific substrate preparation, see relevant specification sheets.

## Application Guide

Stir contents thoroughly with a power stirrer before use.

Apply one coat to a correctly prepared surface by brush, roller or spray.

**AIRLESS GUN SETTINGS:** Tip 519 or 521. Pressure Setting 1500-2000psi.

Freshly applied material must be protected from frosts and rain for a minimum of forty-eight (48) hours.

Application **should not** be carried out if the air temperature or the substrate temperature is below 10°C or above 35°C or when humidity is very high. The temperature must not fall below 10°C during the drying process.

In exterior application avoid painting when dew or rain is likely.

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## Additional Data

Available in 15 litre containers.  
 Not suitable for walk-on surfaces.  
 GranoPrime is a surface preparation product and is used in conjunction with various Wattyl Granosite systems. As such, it is not a system in itself and should only be used where specified.  
**Note:** The approved Wattyl Granosite system should be applied to GranoPrime within 14 days of curing and the GranoPrime should be protected from rain and frost for this period.  
 Leave 7 days after application of final coat before washing. Wash using a sponge or soft cloth with warm water and mild detergent. Avoid harsh scrubbing and strong household cleaners.  
 Containers must be secured and stored upright during transit.  
 Containers must not be exposed to excessive heat or cold.  
 Storage must be under cover, away from direct heat, freezing and moisture, in well-sealed containers.  
 It is recommended that application be carried out by a skilled applicator, who is totally conversant with the Granosite products and systems, to validate full material warranty conditions.  
 The use of proprietary additives other than those manufactured by Wattyl is not recommended.  
 Do not use for any other purpose other than as specified in our literature.

## Safety Data

<b>First Aid Instructions</b>	<p>For advice, contact the Poisons Information Centre on 131 126 (Australia), 0800 764 766 (New Zealand), or a doctor.          If swallowed, do not induce vomiting. Give a glass of water to drink.          If in eyes, wash out immediately with water.          If inhaled remove from contaminated area to fresh air.          If skin contact occurs, remove contaminated clothing and flush contaminated skin with water.</p>
<b>Safety Directions</b>	<p>Keep out of reach of children.          Avoid contact with skin and eyes.          Ensure adequate ventilation during use.          Avoid prolonged breathing of vapour.          Wash hands thoroughly after use.</p>
<b>Further Information</b>	<p>For the latest information refer to the Safety Data Sheet available on our websites.          Australia: <a href="http://www.wattyl.com.au">www.wattyl.com.au</a> or contact Wattyl Assist on 132 101.          New Zealand: <a href="http://www.wattyl.co.nz">www.wattyl.co.nz</a> or contact Wattyl Assist on 0800 825 7727.</p>

1. This information is provided with respect to the listed Hempel (Wattyl) Australia and Hempel (Wattyl) New Zealand products. Hempel (Wattyl) Australia and Hempel (Wattyl) New Zealand, hereon referred to as "Hempel (Wattyl)," recommends that:

(a) You review the Technical Data Sheets (TDS) and Safety Data Sheets (SDS) before you use or handle the product; (b) the product be used only in accordance with the information provided by Hempel (Wattyl); (c) the product be transported and handled in accordance with the SDS and relevant TDS; and (d) you thoroughly test the product, using the recommended application method on a sample of intended substrate, before using the product.

2. The information in the TDS was prepared using information gathered during product development. While Hempel (Wattyl) endeavour to update this information and maintain the accuracy of its contents, Hempel (Wattyl) cannot guarantee that the information is wholly comprehensive.

3. Hempel (Wattyl) recommend that you conduct such additional investigations as may be necessary to satisfy yourself of the accuracy, currency and comprehensiveness of the information on which you rely in using and handling the product. If you require further information please contact your nearest office of Hempel (Wattyl).

4. To the full extent permitted by law, the liability of Hempel (Wattyl) for breach of a condition or warranty implied into the contract for sale between Hempel (Wattyl) and you by law is limited at the election of Hempel (Wattyl) to: (a) the replacement of the product; or (b) payment of the cost of replacing the product.

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Calsil® is a registered trademark of Boral Resources (Vic) Pty Ltd.

Exotec® is a registered trademark of James Hardie International Finance B.V.

WATTYL ASSIST: Ph: 132 101 (AUSTRALIA)  
 Ph: 0800 825 7727 (NEW ZEALAND)

HSNO 2017 - New Zealand

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product name : WATTYL NZ GRANOSITE GRANOPRIME  
Product identity : 849420  
Product type : Paint or paint related material

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Field of application : buildings  
Identified uses : Consumer applications, Professional applications, Used by spraying.

#### 1.3 Details of the supplier of the safety data sheet

Company details : Hempel (Wattyl) New Zealand Limited  
4-14 Patiki Road  
Avondale, Auckland 1026  
New Zealand  
Tel.: +(64) 98010034  
Email: wattyl@wattyl.com.au  
Date of Preparation : 3 May 2024  
Date of previous issue : 2 May 2024.

#### 1.4 Emergency telephone number

Emergency telephone number (with hours of operation)  
Poisons Centre New Zealand: 0800 764 766 (24 hour)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Product definition : Mixture

#### GHS Classification

LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

#### 2.2 Label elements

Hazard pictograms :  
Signal word : No signal word.  
Hazard statements : H412 - Harmful to aquatic life with long lasting effects.  
Precautionary statements :  
General : Keep out of reach of children. If medical advice is needed, have product container or label at hand. Do not apply directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.  
Prevention : Avoid release to the environment.  
Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

#### 2.3 Other hazards

Other hazards which do not result in classification : None known.

### SECTION 3: Composition/information on ingredients

Product/ingredient name	Identifiers	%
limestone	1317-65-3	≥10 - ≤30
titanium dioxide	13463-67-7	≤10
alpha-[(1,1,3,3-tetramethylbutyl)phenyl]-omega-hydroxypoly	9036-19-5	<1

Occupational exposure limits, if available, are listed in Section 8.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

General :	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 112 and give immediate treatment (first aid).
Eye contact :	Check for and remove any contact lenses. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation :	Remove to fresh air.
Skin contact :	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion :	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting unless directed to do so by medical personnel. Lower the head so that vomit will not re-enter the mouth and throat.
Protection of first-aiders :	No action shall be taken involving any personal risk or without suitable training.

### 4.2 Most important symptoms and effects, both acute and delayed

#### Potential acute health effects

Eye contact :	No known significant effects or critical hazards.
Inhalation :	No known significant effects or critical hazards.
Skin contact :	No known significant effects or critical hazards.
Ingestion :	No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

Eye contact :	No specific data.
Inhalation :	No specific data.
Skin contact :	No specific data.
Ingestion :	No specific data.

### 4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician :	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments :	No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Extinguishing media :	Recommended: alcohol resistant foam, CO <sub>2</sub> , powders, water spray. Not to be used : waterjet.
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### 5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture :	In a fire or if heated, a pressure increase will occur and the container may burst.
Hazardous combustion products :	Decomposition products may include the following materials: carbon oxides metal oxide/oxides

### 5.3 Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures**

Refer to protective measures listed in sections 7 and 8. No action shall be taken involving any personal risk or without suitable training.

**6.2 Environmental precautions**

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**6.3 Methods and material for containment and cleaning up**

Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13).

**6.4 Reference to other sections**

See Section 1 for emergency contact information.  
 See Section 8 for information on appropriate personal protective equipment.  
 See Section 13 for additional waste treatment information.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling**

Appropriate personal protective equipment: see Section 8. Always keep in containers made from the same material as the original one.

**7.2 Conditions for safe storage, including any incompatibilities**

Store in accordance with local regulations.

**7.3 Specific end use(s)**

See separate Product Data Sheet for recommendations or industrial sector specific solutions.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

Product/ingredient name	Exposure limit values
limestone	<b>HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 4/2022).</b> WES-TWA: 10 mg/m <sup>3</sup> 8 hours. <b>HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 4/2022).</b> WES-TWA: 10 mg/m <sup>3</sup> 8 hours. Form: The value for inhalable dust containing no asbestos and less than 1% free silica.
titanium dioxide	

**Recommended monitoring procedures**

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**8.2 Exposure controls**

**Appropriate engineering controls**

Arrange sufficient ventilation by local exhaust ventilation and good general ventilation to keep the airborne concentrations of vapors or dust lowest possible and below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**Individual protection measures**

General :

Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. Safety eyewear should be used when there is a likelihood of exposure.





### SECTION 8: Exposure controls/personal protection

Hygiene measures :	Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.
Eye/face protection :	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.
Hand protection :	<p>Wear chemical-resistant gloves (tested to EN374) in combination with 'basic' employee training. The quality of the chemical-resistant protective gloves must be chosen as a function of the specific workplace concentrations and quantity of hazardous substances.</p> <p>Since the actual work situation is unknown. Supplier of gloves should be contacted in order to find the appropriate type. Below listed glove(s) should be regarded as generic advice:</p> <p>Recommended: Silver Shield / Barrier / 4H gloves, nitrile rubber (&gt;0.3 mm), neoprene rubber (&gt;0.1 mm), butyl rubber (&gt;0.5 mm), natural rubber (latex) (&gt;0.4 mm), polyvinyl chloride (PVC), Viton®, nitrile rubber (&gt;0.1 mm), butyl rubber (&gt;0.3 mm)</p> <p>Short term exposure: polyvinyl alcohol (PVA)</p>
Body protection :	Personal protective equipment for the body should be selected based on the task being performed and the risks involved handling this product.
Respiratory protection :	

#### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

Physical state :	Liquid.
Odour :	Non-characteristic.
pH :	Testing not relevant or not possible due to nature of the product.
Melting point/freezing point :	0°C This is based on data for the following ingredient: water
Boiling point/boiling range :	Testing not relevant or not possible due to nature of the product.
Flash point :	Closed cup: 101°C (213.8°F)
Evaporation rate :	Testing not relevant or not possible due to nature of the product.
Flammability :	Not available.
Lower and upper explosive (flammable) limits :	No specific data.
Vapour pressure :	2.333 kPa This is based on data for the following ingredient: water
Vapour density :	Testing not relevant or not possible due to nature of the product.
Relative density :	1.3 g/cm <sup>3</sup>
Partition coefficient (LogKow) :	Testing not relevant or not possible due to nature of the product.
Auto-ignition temperature :	Testing not relevant or not possible due to nature of the product.
Decomposition temperature :	Testing not relevant or not possible due to nature of the product.
Viscosity :	Testing not relevant or not possible due to nature of the product.
Explosive properties :	Testing not relevant or not possible due to nature of the product.
Oxidising properties :	Testing not relevant or not possible due to nature of the product.

### SECTION 10: Stability and reactivity

#### 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

#### 10.2 Chemical stability

The product is stable.

#### 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

**SECTION 10: Stability and reactivity**

**10.4 Conditions to avoid**

No specific data.

**10.5 Incompatible materials**

Reactive or incompatible with the following materials: acids.

**10.6 Hazardous decomposition products**

When exposed to high temperatures (i.e. in case of fire) harmful decomposition products may be formed:

Decomposition products may include the following materials: carbon oxides metal oxide/oxides

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

No known significant effects or critical hazards.

**Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
limestone titanium dioxide	LD50 Oral	Rat	>2000 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat	>6.8 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-

**Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure
titanium dioxide alpha-[(1,1,3,3-tetramethylbutyl) phenyl]-omega-hydroxypoly	Skin - Mild irritant	Human	-	72 hours 300 Micrograms Intermittent 1 Percent
	Eyes - Severe irritant	Rabbit	-	

**Specific target organ toxicity (single exposure)**

Product/ingredient name	Category	Route of exposure	Target organs
Not available.			

**Specific target organ toxicity (repeated exposure)**

Product/ingredient name	Category	Route of exposure	Target organs
Not available.			

**Aspiration hazard**

Product/ingredient name	Result
Not available.	

**Information on likely routes of exposure**

Routes of entry anticipated: Oral, Dermal, Inhalation.

**Potential chronic health effects**

Other information : No additional known significant effects or critical hazards.

**SECTION 12: Ecological information**

**12.1 Toxicity**

Do not allow to enter drains or watercourses.

Product/ingredient name	Result	Species	Exposure
titanium dioxide	Acute LC50 >100 mg/l	-	48 hours
	Acute LC50 >100 mg/l		96 hours

**12.2 Persistence and degradability**

**12.3 Bioaccumulative potential**

**SECTION 12: Ecological information**

**12.4 Mobility in soil**

Soil/water partition coefficient (K<sub>oc</sub>): No known data available in our database.  
 Mobility: No known data available in our database.

**Other adverse effects**

No known significant effects or critical hazards.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

The generation of waste should be avoided or minimised wherever possible. Residues of the product is not listed as hazardous waste. Dispose of according to all state and local applicable regulations. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Packaging**

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**SECTION 14: Transport information**

Transport may take place according to national regulation NZS for transport by road and train, IMDG for transport by sea, IATA for transport by air.

	14.1 UN no.	14.2 Proper shipping name	14.3 Transport hazard class(es)	14.4 PG*	14.5 Env*	Additional information
<b>NZS Class</b>	Not regulated.		-	-	No.	<u>Hazchem code</u> -
<b>IMDG Class</b>	Not regulated.		-	-	No.	-
<b>IATA Class</b>	Not regulated.		-	-	No.	-

PG\* : Packing group  
 Env.\* : Environmental hazards

**14.6 Special precautions for user**

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to IMO instruments**

Not applicable.

**SECTION 15: Regulatory information**

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

This material is classified as hazardous according to criteria in the Hazardous Substances (Hazard Classification) Notice 2020.

This material is not classified as DANGEROUS GOODS according to criteria in New Zealand Standard 5433:2012 Transport of Dangerous Goods on Land.

**HSNO Classification**

LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3

Safety, health and environmental regulations specific for the product :

No known specific national and/or regional regulations applicable to this product (including its ingredients).

**SECTION 16: Other information**

 Indicates information that has changed from previously issued version.

Classification	Justification
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3	Calculation method

**Notice to reader**

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**SECTION 16: Other information**

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

ULTRA PREMIUM  
LOW SHEEN

RESOURCE CODE 1134-Line  
APRIL 2024  
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Description & Uses

Wattyl Solagard Low Sheen is a tough and durable exterior paint which offers protection for your home in any weather or climate. Solagard's Total Protection Technology is designed to keep your home looking better for longer. Solagard Low Sheen's gloss level provides the best balance between appearance, dirt resistance and flexibility for greater protection. Wattyl Solagard Low Sheen is backed by a 25 year warranty against flaking, peeling and blistering\*.

\*For full details on the warranty refer to: [www.wattyl.com.au](http://www.wattyl.com.au) or [www.wattyl.co.nz](http://www.wattyl.co.nz).

Features & Benefits

- UV Blockout
- Lasting flexibility
- Resists chalking & fading
- Apply in temperatures as low as 5°C
- Inhibits mould and mildew
- Self priming

Colours & Gloss

White, Light, Mid and Strong bases; selected coloured bases and factory colours. Tint using Ecotint® to Wattyl Colour Designer® range of colours or other competitor colours. Can also be tinted at selected Wattyl Paint Centres with Hydrochroma® to achieve brighter, longer lasting Corporate colours.

Low Sheen (Gloss Level 10-20 at 60 degrees).

Environmental Data & Certifications



Approved to Australia Paint Approval Scheme Specification APAS 0280/3&5. Australian Standard AS3730.8.



White Base, Light Base, Mid Base, Strong Base, Green, Mission Brown, Brilliant Yellow, Pure Magenta, Intense Red, Radiant Orange, Black and Lapis Blue Verified to Eco Choice Aotearoa (ECA) Specification EC-07-18. Licence No:0709054

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## Properties &amp; Performance Guide

Dry & Recoat Times	Surface Dry - 30 minutes Recoat - 2 hours Fully Cured - 7 days Figures are quoted at 25°C and at 50% humidity. Drying will take longer at lower temperatures or higher relative humidity.
Coverage per Coat	Up to 16 M <sup>2</sup> /L depending on the surface texture, porosity and method of application.
Film Thickness	Wet Film Thickness (WFT) - 63 microns minimum Dry Film Thickness (DFT) - 24 microns minimum
Thinning	If applying in hot or windy weather or onto very porous surfaces, thin the first coat up to 10% with water.
Clean Up	Clean up with cold water away from drains. <b>Protect Our Environment:</b> Do not pour leftover paint down the drain. In Australia, to dispose of unwanted paint see <a href="http://paintback.com.au">paintback.com.au</a> . In New Zealand, visit <a href="http://wattyl.co.nz">wattyl.co.nz</a> for disposal details. Empty paint containers should be left open in a well ventilated area to dry out. When dry, recycle containers via recycling programs. Check with your local council first.
VOC (Volatile Organic Compounds)	VOC < 45g/Litre. The VOC level has been calculated theoretically from raw material information in accordance with APAS D181.

## Recommended Substrate Conditions &amp; Preparation

Surfaces are to be suitably prepared in accordance with proper trade practices.

**All surfaces:** Ensure surface is clean and dry, and free from chalking, loose friable material, dust, dirt and grease. All loose, peeling or flaking material must be removed. If required, sand the surface smooth and remove all dust. Sand any enamel painted surfaces until gloss is removed. Fill holes and cracks with a suitable filler, sand lightly to an even finish and remove all dust. If mould is present, clean surface with a suitable mould treatment as per manufacturer's instructions.

**Previously painted surfaces:** Ensure the existing surface is in sound condition by cutting a small X through the paint with a sharp blade. Apply adhesive tape over the X and tear it off. If the paint peels away the surface is unsound. Repeat at random in a number of areas. Unsound areas should be sanded or stripped back to bare. Sand enamel or glossy surfaces to remove gloss. Some primers used on pre-primed timbers are of poor quality. Unless a painting specification is supplied by the timber manufacturer, pre-primed timber should be sanded back to bare before coating to ensure durability.

**New and bare timber** (including Merbau, Kwila, Teak, Tallowood, Jarrah, Blackbutt, Cypress Pine, Vitek and other resinous hardwoods): For new and bare hardwood timber allow to weather for 4-6 weeks, rinsing with water several times to remove resins and open the grain to aid penetration. Remove mill glaze to allow penetration and adhesion.

**New and bare LOSP treated pine:** Weather for at least 2 weeks to ensure absorption and adhesion.

**Bare cement render, brick, fibre cement and masonry:** Ensure all new cement and concrete surfaces are fully cured prior to painting. Typically this may take a minimum of 4-6 weeks. Ensure concrete surfaces are free from any bond breakers, formwork release agents, curing compounds and efflorescence (white salts).

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## Recommended Substrate Conditions & Preparation...Continued

**New or weathered Colorbond® and Colorsteel®:** Ensure surfaces are degreased, clean and free of salts or other deposits. New Colorbond® or Colorsteel® should be scoured with a nylon scourer if painting is required. Colorbond® and Colorsteel® surfaces, both new and weathered, should be primed with Water-Based Prep Galvanised Iron Primer or Killrust Etch Primer.

**New galvanised iron sheet and Zinalume®:** Allow new galvanised iron sheet to weather until dull, then wash down. Alternatively, thoroughly clean new galvanised iron sheets with a nylon scourer and detergent, then rinse. Treat rusted areas on old galvanised iron as for bare iron and steel. New Zinalume® surfaces should be degreased, clean and free of salts or other deposits. For improved adhesion, priming new galvanised iron sheet and new Zinalume® with Water-Based Prep Galvanised Iron Primer or Killrust Etch Primer is recommended.

**Bare iron and steel:** Remove all loose rust or mill scale by wire brushing, scraping or sanding. Where residual rust cannot be removed, apply Wattyl Killrust Rust-Eeter to this area only. Apply two coats of Wattyl Killrust Heavy Duty Primer or Wattyl Master Prep Metal Primer. Two coats of Solagard may be used to finish, however for longer lasting corrosion protection, a complete Killrust metal protection system is recommended.

**Galvanised steel (structural/hot dip):** Due to the possible variability in surfaces and exposure conditions, call Wattyl Assist to determine the most suitable preparation prior to painting.

For any substrates not listed please contact Wattyl Assist on 132 101 (Australia) or 0800 825 7727 (New Zealand).

## Application Guide

Stir well before and during use with a broad paddle reaching to the bottom of the can and lifting until contents are completely mixed.

Apply full, even coats with brush, roller or spray. If applying in hot or windy weather or onto very porous surfaces, thin the first coat up to 10% with water.

Coat window frames sparingly in contact areas. To avoid sticking move windows within 30 minutes and again in the first 24 hours.

Do not apply when dew or rain is likely during drying.

Do not apply when temperature is below 5°C or above 35°C during application or drying period, or when humidity is very high.

## 25 YEAR WARRANTY FINISH COATS

Surface Type	Preparatory Coats
Previously Painted Surfaces	Apply 3 coats of Wattyl Solagard Low Sheen as per specification.
Bare Timber	Apply 3 coats of Wattyl Solagard Low Sheen as per specification.
Bare Cement Render, Brick, Fibre Cement and Masonry	Apply 3 coats of Wattyl Solagard Low Sheen as per specification.
Galvanised Iron Sheet and Zinalume®	Apply 3 coats of Wattyl Solagard Low Sheen as per specification.

For full specifications refer to: [www.wattyl.com.au](http://www.wattyl.com.au) or [www.wattyl.co.nz](http://www.wattyl.co.nz).

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## Additional Data

Available in 1, 4, 10 and 15 litre containers.  
 Tinted paint is not returnable. Choose your colours carefully. If using more than one can for the final coat, check that the colour is correct in all cans, and mix the paint together to ensure colour consistency before starting.  
 Not suitable for walk on areas or areas with vehicular traffic such as driveways.  
 Knots in LOSP treated pine may be a source of resin bleed which will discolour white and white tones.  
 Containers must be secured and stored upright during transit.  
 Containers must not be exposed to excessive heat or cold.  
 Store in a secure, cool and well ventilated place. Keep container tightly closed.  
 The use of proprietary additives other than those manufactured by Wattyl is not recommended.  
 Do not use for any other purpose other than as specified in our literature.

## Safety Data

<b>First Aid Instructions</b>	<p>For advice, contact the Poisons Information Centre on 131 126 (Australia), 0800 764 766 (New Zealand), or a doctor.          If in eyes, rinse cautiously with clean water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. If eye irritation persists seek medical advice/attention.          If skin contact occurs remove contaminated clothing and flush contaminated skin with water.          If inhaled remove from contaminated area to fresh air.          If swallowed, do not induce vomiting. Give a glass of water to drink.</p>
<b>Safety Directions</b>	<p>Keep out of reach of children.          Wear suitable Personal Protective Equipment (PPE) for application method.          Avoid contact with skin and eyes.          Wash hands thoroughly after use.          Ensure adequate ventilation during use.          Avoid prolonged breathing of vapour.</p>
<b>Further Information</b>	<p>For the latest information refer to the Safety Data Sheet available on our websites.          Australia: <a href="http://www.wattyl.com.au">www.wattyl.com.au</a> or contact Wattyl Assist on 132 101.          New Zealand: <a href="http://www.wattyl.co.nz">www.wattyl.co.nz</a> or contact Wattyl Assist on 0800 825 7727.</p>

1. This information is provided with respect to the listed Hempel (Wattyl) Australia and Hempel (Wattyl) New Zealand products. Hempel (Wattyl) Australia and Hempel (Wattyl) New Zealand, hereon referred to as "Hempel (Wattyl)," recommends that:

(a) You review the Technical Data Sheets (TDS) and Safety Data Sheets (SDS) before you use or handle the product; (b) the product be used only in accordance with the information provided by Hempel (Wattyl); (c) the product be transported and handled in accordance with the SDS and relevant TDS; and (d) you thoroughly test the product, using the recommended application method on a sample of intended substrate, before using the product.

2. The information in the TDS was prepared using information gathered during product development. While Hempel (Wattyl) endeavour to update this information and maintain the accuracy of its contents, Hempel (Wattyl) cannot guarantee that the information is wholly comprehensive.

3. Hempel (Wattyl) recommend that you conduct such additional investigations as may be necessary to satisfy yourself of the accuracy, currency and comprehensiveness of the information on which you rely in using and handling the product. If you require further information please contact your nearest office of Hempel (Wattyl).

4. To the full extent permitted by law, the liability of Hempel (Wattyl) for breach of a condition or warranty implied into the contract for sale between Hempel (Wattyl) and you by law is limited at the election of Hempel (Wattyl) to: (a) the replacement of the product; or (b) payment of the cost of replacing the product.

All brands and product names are registered trademarks of Hempel (Wattyl) Australia Pty Ltd ABN 40 000 035 914 and Hempel (Wattyl) New Zealand Pty Ltd 942 904 073 3692.

In Australia, Colorbond® and Zinalume® are registered trademarks of Blue Scope Steel Limited.

In New Zealand, Colorsteel® Zinalume® are registered trademarks of New Zealand Steel Limited.

WATTYL ASSIST: Ph: 132 101 (AUSTRALIA)  
Ph: 0800 825 7727 (NEW ZEALAND)



# Safety Data Sheet

## WATTYL SOLAGARD LOW SHEEN WHITE BASE

# wattyl®

A part of  HEMPEL

HSNO 2017 - New Zealand

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product name : WATTYL SOLAGARD LOW SHEEN WHITE BASE  
Product identity : 113451  
Product type : Paint or paint related material

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Field of application : buildings  
Identified uses : Consumer applications, Professional applications, Used by spraying.

#### 1.3 Details of the supplier of the safety data sheet

Company details : Hempel (Wattyl) New Zealand Limited  
4-14 Patiki Road  
Avondale, Auckland 1026  
New Zealand  
Tel.: +(64) 98010034  
Email: wattyl@wattyl.com.au

Date of Preparation : 3 May 2024  
Date of previous issue : 2 May 2024.

#### 1.4 Emergency telephone number

Emergency telephone number (with hours of operation)  
  
Poisons Centre New Zealand: 0800 764 766 (24 hour)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

Product definition : Mixture

#### GHS Classification

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2  
LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2

#### 2.2 Label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H373 - May cause damage to organs through prolonged or repeated exposure.  
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements :

General : Keep out of reach of children. If medical advice is needed, have product container or label at hand. Do not apply directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area.

Prevention : Avoid release to the environment. Do not breathe vapor, mist or spray.

Response : Collect spillage. Get medical advice/attention if you feel unwell.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

#### 2.3 Other hazards

Other hazards which do not result in classification : None known.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Product/ingredient name	Identifiers	%
titanium dioxide	13463-67-7	≥10 - ≤30
barium sulphate	7727-43-7	≤10
china clay	1332-58-7	≤3
ethanediol	107-21-1	≤3
trimethyl pentanediol mono isobutyrate	25265-77-4	≤3
zinc oxide	1314-13-2	≤0.3
diuron (ISO)	330-54-1	<0.1
2-octyl-2H-isothiazol-3-one	26530-20-1	<0.1
zinc pyrithione	13463-41-7	<0.1

Occupational exposure limits, if available, are listed in Section 8.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

General :	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 112 and give immediate treatment (first aid).
Eye contact :	Check for and remove any contact lenses. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation :	Remove to fresh air and keep at rest in a position comfortable for breathing. Give nothing by mouth. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If unconscious, place in recovery position and get medical attention immediately.
Skin contact :	Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
Ingestion :	If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do not induce vomiting unless directed to do so by medical personnel. Lower the head so that vomit will not re-enter the mouth and throat.
Protection of first-aiders :	No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

#### 4.2 Most important symptoms and effects, both acute and delayed

##### Potential acute health effects

Eye contact :	No known significant effects or critical hazards.
Inhalation :	No known significant effects or critical hazards.
Skin contact :	May cause an allergic skin reaction.
Ingestion :	No known significant effects or critical hazards.

##### Over-exposure signs/symptoms

Eye contact :	No specific data.
Inhalation :	No specific data.
Skin contact :	Adverse symptoms may include the following: irritation redness
Ingestion :	No specific data.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician :	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments :	No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Extinguishing media : Recommended: alcohol resistant foam, CO<sub>2</sub>, powders, water spray.  
Not to be used : waterjet.

### 5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : In a fire or if heated, a pressure increase will occur and the container may burst. This material is toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous combustion products : Decomposition products may include the following materials: carbon oxides sulfur oxides metal oxide/oxides

### 5.3 Advice for firefighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Cool closed containers exposed to fire with water. Do not release runoff from fire to drains or watercourses. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid all direct contact with the spilled material. Refer to protective measures listed in sections 7 and 8. No action shall be taken involving any personal risk or without suitable training. If the product contaminates lakes, rivers, or sewers, inform the appropriate authorities in accordance with local regulations.

### 6.2 Environmental precautions

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

### 6.3 Methods and material for containment and cleaning up

Stop leak if without risk. Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Contaminated absorbent material may pose the same hazard as the spilt product.

### 6.4 Reference to other sections

See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid inhalation of vapour, dust and spray mist. Avoid contact with skin and eyes. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Appropriate personal protective equipment: see Section 8. Always keep in containers made from the same material as the original one.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in a cool, well-ventilated area away from incompatible materials and ignition sources. Keep out of the reach of children. Keep away from: Oxidizing agents, strong alkalis, strong acids. No smoking. Prevent unauthorized access. Containers that are opened must be carefully resealed and kept upright to prevent leakage.

### 7.3 Specific end use(s)

See separate Product Data Sheet for recommendations or industrial sector specific solutions.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

Product/ingredient name	Exposure limit values
titanium dioxide	<b>HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 4/2022).</b> WES-TWA: 10 mg/m <sup>3</sup> 8 hours. Form: The value for inhalable dust containing no asbestos and less than 1% free silica.
barium sulphate	<b>HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 4/2022).</b> WES-TWA: 10 mg/m <sup>3</sup> 8 hours. Form: The value for inhalable dust containing no asbestos and less than 1% free silica.
china clay	<b>HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 4/2022).</b> WES-TWA: 2 mg/m <sup>3</sup> 8 hours. Form: The value for respirable dust.
ethanediol	<b>HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 4/2022).</b> WES-TWA: 10 mg/m <sup>3</sup> 8 hours.
zinc oxide	<b>HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 4/2022).</b> WES-Ceiling: 50 ppm Form: Vapour and mists WES-Ceiling: 127 mg/m <sup>3</sup> Form: Vapour and mists
diuron (ISO)	<b>HSWA 2015 - HSW (GRWM) 2016. Workplace exposure standards (WES) (New Zealand, 4/2022).</b> WES-TWA: 0.1 mg/m <sup>3</sup> 8 hours. Form: The value for respirable dust. WES-STEL: 0.5 mg/m <sup>3</sup> 15 minutes. Form: The value for respirable dust. WES-STEL: 5 mg/m <sup>3</sup> 15 minutes. WES-TWA: 2 mg/m <sup>3</sup> 8 hours.

**Recommended monitoring procedures**

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**8.2 Exposure controls**

**Appropriate engineering controls**

Arrange sufficient ventilation by local exhaust ventilation and good general ventilation to keep the airborne concentrations of vapors or dust lowest possible and below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the workstation location.

**Individual protection measures**

General :

Gloves must be worn for all work that may result in soiling. Apron/coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. Safety eyewear should be used when there is a likelihood of exposure.



Hygiene measures :

Wash hands, forearms, and face thoroughly after handling compounds and before eating, smoking, using lavatory, and at the end of day.

Eye/face protection :

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Hand protection :

Wear chemical-resistant gloves (tested to EN374) in combination with 'basic' employee training. The quality of the chemical-resistant protective gloves must be chosen as a function of the specific workplace concentrations and quantity of hazardous substances.

## SECTION 8: Exposure controls/personal protection

Since the actual work situation is unknown. Supplier of gloves should be contacted in order to find the appropriate type. Below listed glove(s) should be regarded as generic advice:

Recommended: Silver Shield / Barrier / 4H gloves, nitrile rubber (>0.3 mm), neoprene rubber (>0.1 mm), butyl rubber (>0.5 mm), natural rubber (latex) (>0.4 mm), polyvinyl chloride (PVC), Viton®, nitrile rubber (>0.1 mm), butyl rubber (>0.3 mm)  
Short term exposure: polyvinyl alcohol (PVA)

Body protection :	Personal protective equipment for the body should be selected based on the task being performed and the risks involved handling this product.
Respiratory protection :	Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Wear appropriate respirator when ventilation is inadequate. Be sure to use approved/certified respirator or equivalent. It is not possible to specify precise filter type, since the actual work situation is unknown. Supplier of respirators should be contacted in order to find the appropriate filter.

### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state :	Liquid.
Odour :	Non-characteristic.
pH :	Testing not relevant or not possible due to nature of the product.
Melting point/freezing point :	0°C This is based on data for the following ingredient: water
Boiling point/boiling range :	Testing not relevant or not possible due to nature of the product.
Flash point :	Closed cup: 100°C (212°F)
Evaporation rate :	Testing not relevant or not possible due to nature of the product.
Flammability :	Flammable in the presence of the following materials or conditions: open flames, sparks and static discharge, heat, oxidising materials and reducing materials.
Lower and upper explosive (flammable) limits :	0.6 - 15.3 vol %
Vapour pressure :	2.333 kPa This is based on data for the following ingredient: water
Vapour density :	Testing not relevant or not possible due to nature of the product.
Relative density :	1.35 g/cm <sup>3</sup>
Partition coefficient (LogKow) :	Testing not relevant or not possible due to nature of the product.
Auto-ignition temperature :	Testing not relevant or not possible due to nature of the product.
Decomposition temperature :	Testing not relevant or not possible due to nature of the product.
Viscosity :	Testing not relevant or not possible due to nature of the product.
Explosive properties :	Explosive in the presence of the following materials or conditions: open flames, sparks and static discharge.
Oxidising properties :	Testing not relevant or not possible due to nature of the product.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients.

### 10.2 Chemical stability

The product is stable.

### 10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

### 10.4 Conditions to avoid

No specific data.

**SECTION 10: Stability and reactivity**

**10.5 Incompatible materials**

Highly reactive or incompatible with the following materials: oxidising materials.  
Reactive or incompatible with the following materials: reducing materials and acids.

**10.6 Hazardous decomposition products**

When exposed to high temperatures (i.e. in case of fire) harmful decomposition products may be formed:  
Decomposition products may include the following materials: carbon oxides sulfur oxides metal oxide/oxides

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

Exposure to component solvent vapor concentrations may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Solvents may cause some of the above effects by absorption through the skin. Symptoms and signs include headaches, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Accidental swallowing may cause stomach pain. Chemical lung inflammation may occur if the product is taken into the lungs via vomiting.

**Acute toxicity**

Product/ingredient name	Result	Species	Dose	Exposure
titanium dioxide	LC50 Inhalation Dusts and mists	Rat	>6.8 mg/l	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
barium sulphate	LD50 Oral	Rat	>5000 mg/kg	-
	LD50 Oral	Rat	>15000 mg/kg	-
ethanediol	LD50 Dermal	Rabbit	9530 uL/kg	-
	LD50 Oral	Rat	4700 mg/kg	-
trimethyl pentanediol mono isobutyrate	LD50 Dermal	Rabbit	15200 mg/kg	-
	LD50 Oral	Rat	6517 mg/kg	-
zinc oxide	LC50 Inhalation Dusts and mists	Rat	>5.7 mg/l	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	>5000 mg/kg	-
diuron (ISO)	LC50 Inhalation Dusts and mists	Rat	>5 mg/l	4 hours
	LD50 Dermal	Rabbit	>2000 mg/kg	-
	LD50 Oral	Rat	4150 mg/kg	-
2-octyl-2H-isothiazol-3-one	LC50 Inhalation Dusts and mists	Rat	0.58 mg/l	4 hours
	LD50 Dermal	Rabbit	690 mg/kg	-
	LD50 Oral	Rat	550 mg/kg	-
zinc pyrithione	LC50 Inhalation Dusts and mists	Rat	1.03 mg/l	4 hours
	LD50 Dermal	Rat	>2000 mg/kg	-
	LD50 Oral	Rat	269 mg/kg	-

**Acute toxicity estimates**

Route	ATE value
Oral	22679.99 mg/kg

**Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure
titanium dioxide	Skin - Mild irritant	Human	-	72 hours 300 Micrograms Intermittent
barium sulphate	Eyes - Mild irritant	Rabbit	-	-
ethanediol	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams
trimethyl pentanediol mono isobutyrate	Eyes - Mild irritant	Rabbit	-	-
zinc oxide	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams
2-octyl-2H-isothiazol-3-one	Eyes - Severe irritant	Rabbit	-	100 milligrams
	Skin - Severe irritant	Rabbit	-	-

**Sensitiser**

Product/ingredient name	Route of exposure	Species	Result
2-octyl-2H-isothiazol-3-one	skin	Mouse	Sensitising

**Specific target organ toxicity (single exposure)**

**SECTION 11: Toxicological information**

Product/ingredient name	Category	Route of exposure	Target organs
Not available.			

**Specific target organ toxicity (repeated exposure)**

Product/ingredient name	Category	Route of exposure	Target organs
ethanediol	Category 1	-	-
diuron (ISO)	Category 1	-	-
zinc pyrithione	Category 1	-	-

**Aspiration hazard**

Product/ingredient name	Result
Not available.	

**Information on likely routes of exposure**

Routes of entry anticipated: Oral, Dermal, Inhalation.

**Potential chronic health effects**

Other information : No additional known significant effects or critical hazards.

**SECTION 12: Ecological information**

**12.1 Toxicity**

Do not allow to enter drains or watercourses. Toxic to aquatic life with long lasting effects.

Product/ingredient name	Result	Species	Exposure
titanium dioxide	Acute LC50 >100 mg/l	-	48 hours
	Acute LC50 >100 mg/l	-	96 hours
zinc oxide	EC50 0.413 mg/l	-	48 hours
	LC50 0.1169 mg/l	-	96 hours
	Acute EC50 0.17 mg/l	-	72 hours
	Acute EC50 1 mg/l	-	48 hours
	Acute LC50 24600 µg/l Fresh water	-	48 hours
diuron (ISO)	Chronic EC50 0.136 mg/l	-	72 hours
	Acute EC50 0.022 mg/l	-	96 hours
	Acute EC50 1.4 mg/l	-	48 hours
	Acute LC50 380 µg/l Fresh water	-	48 hours
	Acute LC50 14.7 mg/l	-	96 hours
	Chronic NOEC 1.3 µg/l Marine water	-	4 days
	Chronic NOEC 33.4 µg/l Fresh water	-	63 days
2-octyl-2H-isothiazol-3-one	Acute EC50 0.084 mg/l	-	72 hours
	Acute EC50 0.42 mg/l	-	48 hours
zinc pyrithione	Acute LC50 0.036 mg/l	-	96 hours
	Acute EC50 0.0012 mg/l	-	120 hours
	Acute EC50 0.0082 mg/l	-	48 hours
	Acute LC50 0.0026 mg/l	-	96 hours

**12.2 Persistence and degradability**

Product/ingredient name	Test	Result	Dose	Inoculum
trimethyl pentanediol mono isobutyrate	OECD	>77 % - Readily - 28 days	-	-

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
trimethyl pentanediol mono isobutyrate	-	-	Readily
zinc oxide	-	-	Not readily
zinc pyrithione	-	-	Inherent

**12.3 Bioaccumulative potential**

# Safety Data Sheet

## WATTYL SOLAGARD LOW SHEEN WHITE BASE

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### SECTION 12: Ecological information

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
ethanediol	-1.36	-	low
trimethyl pentanediol mono isobutyrate	3.2	-	low
zinc oxide	2.2	60960	high
diuron (ISO)	2.84	5.2	low
2-octyl-2H-isothiazol-3-one	2.45	507 - 538	high
zinc pyrithione	0.9	11	low

#### 12.4 Mobility in soil

Soil/water partition coefficient (K<sub>oc</sub>): No known data available in our database.

Mobility: No known data available in our database.

#### Other adverse effects

No known significant effects or critical hazards.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

The generation of waste should be avoided or minimised wherever possible. Residues of the product is listed as hazardous waste. Dispose of according to all state and local applicable regulations. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

#### Packaging

The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

### SECTION 14: Transport information

Transport may take place according to national regulation NZS for transport by road and train, IMDG for transport by sea, IATA for transport by air.

	14.1 UN no.	14.2 Proper shipping name	14.3 Transport hazard class(es)	14.4 PG*	14.5 Env* Additional information
<b>NZS Class</b>	Not regulated.		-	-	No. <u>Hazchem code</u> -
<b>IMDG Class</b>	Not regulated.		-	-	No. -
<b>IATA Class</b>	Not regulated.		-	-	No. -

PG\* : Packing group

Env.\* : Environmental hazards

#### 14.6 Special precautions for user

**Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

#### 14.7 Transport in bulk according to IMO instruments

Not applicable.

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

This material is classified as hazardous according to criteria in the Hazardous Substances (Hazard Classification) Notice 2020.

This material is not classified as DANGEROUS GOODS according to criteria in New Zealand Standard 5433:2012 Transport of Dangerous Goods on Land.

#### HSNO Classification

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2

LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2

Safety, health and environmental regulations specific for the product :

No known specific national and/or regional regulations applicable to this product (including its ingredients).



# Safety Data Sheet

## WATTYL SOLAGARD LOW SHEEN WHITE BASE

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### SECTION 15: Regulatory information

HSNO Group Standard : HSR002670  
HSNO Group Standard assigned are based upon the GHS Classification.

### SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

Classification	Justification
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE - Category 2 LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 2	Calculation method Calculation method

#### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.