

Section 1. Product and Company Identification

Product name	WIL-PRO VC-2167 WHITE
Code	2650167
Supplier	Tapel Willamette Inc. S.A.
Address	Avenida Estero La Posada 3625 Parque Industrial Coronel Coronel – Chile
Telephone number	(56) 41-2928100
e-mail	hds@tapel.cl
<u>In case of Emergency</u>	
CITUC (Toxicological Emergencies)	(56) 2-635 3800
CITUC (Chemical Emergencies)	(56) 2-247 3600
Relevant identified uses of the substance or mixture and uses	Coating
Use restrictions	Not known

Section 2. Hazard Identification

Classification according to NCh2190 Of.2003 This product is not classified as hazardous for transport according to NCh382.Of2013.

Safety sign according to NCh1411/4



Classification according to GHS

Not classified

HGS label elements

- Words of warning No words of warning
- Indications of danger Not known significant effects or critical hazards

Specific Classification

Not applicable

Specific distinctive

Not applicable

Hazards descriptions

No known significant effects or critical hazards

Specific Hazards descriptions

Not available

Other hazards

Not available

Section 3. Composition/Information on ingredients

Chemical formula Mixture

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

Description of necessary first aid:

Inhalation

Move exposed person to fresh air and keep at rest in a position comfortable for breathing. Get medical attention in the presence of symptoms

Skin contact

Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention in the presence of symptoms.

Eye contact

Immediately flush eyes with plenty water for at least 15 minutes occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Ingestion

Wash mouth with water. Move exposed person to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is unconscious, give same amounts of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention, if symptoms persist.

Most important symptoms and effects, both acute and delayed**potentially acute health effects**

- **Inhalation** No known significant effects or critical hazards
- **Skin contact** No known significant effects or critical hazards
- **Eye contact** No known significant effects or critical hazards
- **Ingestion** No known significant effects or critical hazards

Most important symptoms and effects

- **Inhalation** No specific data
- **Skin contact** No specific data
- **Eye contact** No specific data
- **Ingestion** No specific data

Protection for those providing medical first aid

No action shall be taken involving any personal risk or without suitable training.

Notes to the physician

Treat symptomatically.
Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 5. Fire-fighting Measures	
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Extinguishing media

Foam, dry chemicals, carbon dioxide, or water fog.

Non-suitable extinguishing media

None known

Specific hazards arising from combustion and thermal decomposition products

No specific data

Special hazards associated

The pressure may increase and the container may explode in case of fire.

Specific methods of extinction

Not available

Precautions for emergency personnel and/or firefighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures	
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Personal precautions

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material.

Protection equipment

Use personal protection equipment recommended in Section 8.
If exposure to the product has occurred, see Section 4 to follow the proper measures.

Emergency procedures

Not available

Environmental precautions

Avoid dispersal of spilled 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).

Methods and materials for containment,

Move containers from spill area. Approach the release from upwind.

confinement and / or abatement	Prevent spills from entering sewers, watercourses or low area to avoid pollution.
Clean-up methods and materials	Stop the leakage if this action does not involve any risks. Remove the containers in the leakage area. Dilute with water and clean up if soluble in water, or absorb with a dry inert material and place in a container for proper recovery.
Recovery	Not available.
Neutralization	Not available.
Final disposal	Dispose via a licensed waste disposal contractor.
Additional measures to prevent disasters	Not available

Section 7. Handling and Storage

Handling

Safe handling recommendations	Put on appropriate personal protective equipment (see section 8).
Operational and technical measures	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. People working with this product must wash their hands and face before eating drinking or smoking. Remove contaminated clothing and protective equipment before entering eating areas.
Other precautions	Not available
Contact prevention	Not available

Storage

Conditions for safe storage	Store according to local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area.
Technical measures	Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.
Incompatible substance and mixtures	No specific data
Suitable parking	Coated plastic and metallic containers
Not suitable parking	Not available.

Section 8. Exposure Controls/Personal Protection

Permissible maximum concentration	No applicable according to Decree 594
<u>Personal protection elements</u>	
Respiratory protection	Based on an assessment of risks and exposition, choose a respirator that comply with proper standards and certifications. Respirators must be used in conformity with a respiratory protection program to assure its adaptation, formation and other aspects of proper use. This product may contain materials classified as nuisance particles, which can have dangerous levels only during sanding or scraping of dry film of the material. Use a dust/mist respirator approved for dust use when performing sanding or scraping activities that generate dust.
Protective Gloves	If a risk assessment indicates that it is necessary, use impenetrable and chemical resistance gloves, which comply with the normative approved only if for chemical product handling. Considering specified parameters of the gloves manufacturer, check during its use that gloves keep its protection properties. Pay attention that the time of gloves using any material can vary for different gloves manufacturer. In the case of mixture, many substances involved, it is not possible to estimate the exact protection time of gloves.

Eye 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 a contact is possible, use the following protection, unless the assessment indicates a higher grade of protection: protective eyewear for chemical splashes.
Skin and body protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Appropriate footwear and any additional skin protection measures should be selected base on the task being performed and the risks involved. These measures should be approved by a specialist before handling this product.
Engineering measures	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Section 9. Physical and Chemical Properties

Physical state	Liquid
Present form	Liquid
Colour	White
Odor	Ammonium. (Weak)
pH	Not available
Melting/fusion point	Not available
Boiling point	>100°C (>212°F)
Flashpoint	Open cup: >93.333°C (>200°F) [Calculated value for the mixture]
Explosion limits.	Not available
Vapor pressure	Not available
Relative vapor density	<1 [Air= 1]
Density	1.62 g/cm ³
Solubility(ies)	Partially soluble in the following materials: water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Odor Threshold	Not available
Evaporation rate	Not available
Inflammability	Not available
Viscosity	Not available
VOC (wt. %)	1.12849%
Evaporation rate	>1 (Water = 1)

Section 10. Stability and Reactivity

Stability	The product is stable
Hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	No specific data.
Incompatibility (materials to avoid)	No specific data.



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Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Acute toxicity

Name of the product or ingredient	Result	Species	Dose	Exposure
Calcium carbonate	DL50 Dermal	Rat	2000 mg/kg	-
	DL50 Oral	Rat	6450 mg/kg	-
Kaolinite	CL50 via vapor inhalation	Rat	36mg/l	1 hours
	DL50 Dermal	Rat	>5000 mg/kg	-
	DL50 Oral	Rat	>5000 mg/kg	-
Titanium dioxide	CL50 via dust/fog inhalation	Rat Male, Female	5.09 mg/l	4 hours
	DL50 dermal	Rabbit	>10000 mg/kg	-
	DL50 Oral	Female Rat	5000 mg/kg	-
Propylene glycol	DL50 dermal	Rabbit	20800 mg/kg	-
	DL50 Oral	Rat	20 g/kg	-
Distillates (petroleum), Hydrotreated heavy paraffinic fraction	DL50 dermal	Rabbit	2000 a 5000 mg/kg	-
	DL50 Oral	Rat	5000 mg/kg	-

Skin irritation/corrosion

Name of the product or ingredient	Result	Species	Score	Exposure	Observation
Calcium carbonate	Eyes – Very irritating	Rabbit	-	24 hours 750 Micrograms	-
	Skin – Moderate irritation	Rabbit	-	24 hours 500 milligrams	-
Titanium dioxide	Skin – Slight irritating	Human	-	72 hours 300 Micrograms intermittent	-
Propylene glycol	Eyes – Slight irritating	Rabbit	-	24 hours 500 milligrams	-
	Eyes – Slight irritating	Rabbit	-	100 milligrams	-
	Skin – Moderate irritation	Baby rabbit	-	96 hours 30 Percentage continuous	-
	Skin – Slight irritating	Human	-	168 hours 500 milligrams	-
	Skin- Slight Moderate	Human	-	72 hours 104 milligrams Intermittent	-
	Skin – Slight irritating	Woman	-	96 hours 30 Percentage	-

Serious ocular injuries/ocular irritation Not available

Respiratory or dermal sensitivity

Name of the product or ingredient	Via of exposure	Species	Result
Titanium dioxide	Skin	Rat	No sensitive.

Reproductive cells mutagenicity/ in vitro carcinogenicity Not available



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The Monography No. 93 of the International Agency for Research on Cancer (IARC) reports that there is enough evidence on laboratory animals exposed to titanium dioxide, but the evidence is not appropriate to assume carcinogenicity in humans. Research on humans do not suggest a relation between the occupational exposure to titanium dioxide dust and a greater risk of cancer. The summary of the IARC concludes: "it is not expected that it will occur a significant exposure to titanium dioxide during the use of products, in which the titanium dioxide is linked to other materials, like in paints."

Name of the product or ingredient	OSHA	IARC	NTP
titanium dioxide	-	2B	-

Reproductive toxicity Not available

Specific target organ toxicity – Single exposures Not available

Specific target organ toxicity – Repetitive exposures

Name of the product or ingredient	Category	Way of exposure	Target organ
Distillates (petroleum), Hydrotreated heavy paraffinic fraction	Category 1	Not determined	adrenal

Inhalation hazard

Name of the product or ingredient	Result
Distillates (petroleum), Hydrotreated heavy paraffinic fraction	Aspiration hazard - Category1

Toxicokinetic Not available

Metabolism Not available

Distribution Not available

Pathogenicity and acute infectivity (oral, dermal & inhalation) Not available

Endocrine disruption Not available

Neurotoxicity Not available

Immunotoxicity Not available

Information about possible ways of exposure Anticipated ways of entry: Dermal, inhalation.

Section 12. Ecological Information

Stability The product is stable

Toxicity

Name of the product or ingredient	Result	Species	Exposure
Calcium carbonate	Acute CL50 >56000 ppm Fresh water	Fish - Gambusia affinis Adult	96 hours
	Chronic NOEC 61 mg/g Fresh water	Fish - Oncorhynchus mykiss - Young (New, baby, weaned)	28 days
Titanium dioxide	Acute CL50 3 mg/l Fresh water	Crustacean - Ceriodaphnia dubia roach - Neonate	48 hours
	Acute CL50 6.5 mg/l Fresh water	Daphnia - Daphnia pulex - Neonate	48 hours
	Acute CL50 >1000000 µg/l Sea water	Fish - Fundulus heteroclitus	96 hours
Propylene glycol	EC50 19000 mg/l s	Algae	96 hours
	Acute EC50 >110 ppm	Daphnia - Daphnia magna	48 hours



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	Fresh water		
	Acute CL50 1000 mg/l Sea water	Crustacean - Chaetogammarus marinus - Young	48 hours
	Acute CL50 710000 µg/l Fresh water	Fish - Pimephales promelas	96 hours

Not available

Persistence and degradability**Bioaccumulative potential**

Name of the product or ingredient	LogPow	FBC	Potential
Titanium dioxide	-	352	Low
Propylene glycol	-1.07	-	Low

Mobility on soil:**Soil/water partition coefficient (K_{oc})** Not available**Other adverse effects** Not known**Section 13. Disposal Considerations****Waste**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. This material and its container must be disposed of in a safe way.

Disposal of contaminated containers/packing

Waste packing should be recycled. Incineration or landfill must be only considered when recycling is not possible. Empty packing or coating can retain product waste.

Contaminated material

Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Final disposal must be carried out according to the local regulations. See section 7. Handling and Storage and section 8: Exposure Controls/Personal Protection.

Section 14. Transportation Information

	Transport		
	Land	Sea	Air
Regulations	TDG	IMDG	IATA
UN number	No applicable	No applicable	No applicable
Proper transport name	-	-	-
UN primary Hazard class	-	-	-
UN secondary Hazard class	-	-	-
Group of packing	-	-	-
Environmental hazards	Not known	Not known	Not known
Special precautions	Not available	Not available	Not available

Bulk transport according MARPOL 73/78 Annex II, and with IBC Code	Not applicable
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Particular precautions for users

Transport within user's premises: always transport in closed containers that are upright and secure. Make sure that people who transport the product know what to do in case of accident or spill.

Section 15. Regulatory Information**National Regulations**

This product is regulated by Nch 382, Nch 2190, D.S. 594, D.S. 148, Nch 1411/4

International Regulations**Federal regulations**

TSCA 8(a) PAIR: octamethylcyclotetrasiloxane



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Clean Air Act Section 602 Class I Substances: Not registered
Clean Air Act Section 602 Class II Substances: Not registered
DEA List I Chemicals (Precursor Chemicals): Not registered
DEA List II Chemicals (Essential Chemicals): Not registered

SARA 302/304

Information/composition about the components

Name	%	EHS	SARA 302 TPQ		SARA 304 RQ	
			(lbs)	(lbs)	(gallons)	(gallons)
Formaldehyde	≤0.1	Yes.	500	73.9	100	14.8
Ethylene oxide	≤0.1	Yes.	1000	-	10	-

SARA 304 RQ

44956256.4 lbs / 20410140.4 kg [3328264.6 Gallons / 12598852.1 L]

SARA 311/312

No applicable

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Calcium carbonate	≥25 - ≤50	No	No	No	Yes	No
Kaolinite	≥10 - ≤25	No	No	No	Yes	No
Titanium dioxide	≥10 - ≤25	No	No	No	No	Yes
Propylene glycol	≤3	No	No	Yes	No	No
Distillates (petroleum), Hydrotreated heavy paraffinic fraction	≤0.3	No	No	No	No	Yes

State regulations:

Massachusetts

The following components are listed: TITANIUM DIOXIDE; TIN DIOXIDE DUST; SOAPSTONE

New York

None of the components is listed.

New Jersey

The following components are listed: Calcium carbonate; PROPYLENE GLYCOL; 1,2-PROPANEDIOL; KAOLIN; SOAPSTONE; TITANIUM DIOXIDE; TITANIUM OXIDE (TiO₂); PROPYLENE GLYCOL; 1,2-PROPANEDIOL

Pennsylvania

The following components are listed: 1,2-PROPANEDIOL; KAOLIN; SOAPSTONE DUST; TITANIUM OXIDE; 1,2-PROPANEDIOL

California Prop. 65

WARNING: This product contains chemicals known to the State of California to cause cancer. This product contains less than 1% of chemicals known to the State of California to cause birth defects or other reproductive harm. The inclusion of titanium dioxide in the Proposition 65 list in California as carcinogen is related to the very small size of hazardous breathable particles.

Name of the ingredient	Cancer	Reproductive	Level of non-significant risk	Maximum acceptable dose level
Crystalline Silica	Yes	No	-	-
1,4-Dioxane	Yes	No	Yes	-
Ethylene oxide	Yes	Yes	Yes	Yes
Titanium dioxide	Yes	No	-	-
Chlorothalonil	Yes	No	Yes	-
Formaldehyde	Yes	No	Yes	-
Methanol	No	Yes	-	Yes

International regulations

Chemical substances included in the list I, II y III of the Chemical Weapons

Not registered.



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Convention

Montreal Protocol (Annexes A, B, C, E)	Not registered.
the Stockholm Convention on Persistent Organic Pollutants	Not registered.
Rotterdam Convention on Prior Informed Consent (PIC)	Not registered
Aarhus Convention and its Protocol on Pollutant Release and Transfer Registers	Not registered

Lists of inventories

Australia	Not determined.
Canada	All the components are listed or are exempt.
China	Not determined.
Europe	Not determined.
Japan	Substance Inventory of Japan (ENCS): No determined. Substance Inventory of Japan (ISHL): No determined.
Malaysia	Not determined.
New Zealand	Not determined.
Philippines	Not determined.
Korean Republic	Not determined.
Taiwan	Not determined.
Thailand	Not determined.
Turkey	Not determined.
United States	All the components are listed or are exempt.
Vietnam	Not determined.

The customer should verify the possible existence of local regulations applicable to the chemical product.

Section 16. Other information

Procedure used to derive the classification: Not classified

Control of changes Modifications in the sections 1,2,11 up to 16

Abbreviations y acronyms

ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
Log Pow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

References

Not available

Next revision

2 years from the date of revision

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.