

Date of issue: 28 September 2022
Revised by: Simonne Moses - HSNO Consultant SDS No: 1

Safety Data Sheet Ceramic Coating

Classified as: Hazardous according to the EPA Hazardous Substances
(Hazard Classifications) Notice 2020.

Section 1: SUBSTANCE AND SUPPLIER DETAILS

Product Name: Ceramic Coating

Supplier: PureWax Ltd
Unit 14, 88 Hobsonville Road
Hobsonville
Auckland 0618
New Zealand

Phone: 0800 PUREWX (787 399)

Recommended Use: Car detailing

In Case of Emergency Contact:

CHEMCALL: 0800 CHEMCALL (243 622)

Section 2: HAZARDS IDENTIFICATION

This product is not classified as a Dangerous Good for Transport.

This product is classified as hazardous according to criteria in the EPA Hazardous Substances (Hazard Classifications) Notice 2020.

HSNO APPROVAL NUMBER: **HSR002657**

HSNO CLASSIFICATIONS: 3.1D Combustible liquid
6.1E Aspiration hazard

GHS Classification: Flammable liquid – Category 4
Aspiration hazard – Category 1

Hazard Statements: H227 Combustible liquid
H304 May be fatal if swallowed and enters airways.

GHS Pictograms:



DANGER

PREVENTION STATEMENTS:

P210 – Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.

RESPONSE STATEMENTS:

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTRE or doctor.
P331 – Do NOT induce vomiting.
P370 + P378 – In case of fire: Use water fog, foam, carbon dioxide, or dry powder, to extinguish.

STORAGE:

P403 – Store in a well-ventilated place.
P405 – Store locked up.

DISPOSAL:

P501 - In accordance with the EPA Hazardous Substances (Disposal) Notice 2017. Dispose of via an approved waste disposal contractor. Refer to Section 13 of the SDS.

Other Information:

This product contains Titanium Dioxide which is a suspected carcinogen. However, the route of exposure is via inhalation of dust. As this product is a liquid, health hazards related to dust inhalation are not considered significant. However, a potential carcinogenic hazard may be present for any processes that result in formation of airborne dust, such as grinding or sanding of painted surfaces. A health and safety hazard risk assessment should be completed, and appropriate protection measures put in place where these processes are carried out.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

Mixture: Coating

Main Component	CAS Number	Concentration (%wt)
Petroleum Distillates	64742-47-8	67 - 70%
Silicon Dioxide	7631-86-9	25 - 28%
Titanium Dioxide	13463-67-7	1%

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

Workplace Facilities Required:

Handwashing and eyewash facilities should be provided.

If Inhaled:

Remove to fresh air. Seek medical attention if symptoms persist.

In Contact with Eye:

Hold eyes open, flush with water for at least 15 minutes. Seek medical attention if irritation develops and persists.

In Contact with Skin:

Wash skin with plenty of water. Seek medical attention if skin irritation develops and persists.

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If Swallowed: DO NOT INDUCE VOMITING. Rinse mouth. Give small quantities of water. Never give anything by mouth to an unconscious person. Seek medical attention if symptoms develop and persist. If vomiting occurs, keep head below hips to prevent aspiration to lungs.

Advice to Doctor: Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Fire/Explosion Hazard: Product is combustible. Fire-heated containers may become pressurised and burst.

Suitable Extinguishing Media: Use water fog, carbon dioxide, dry powder, or foam. Do not use water jet as this may spread the fire.

Precautions in Connection with Fire: Thermal decomposition may produce toxic fumes containing oxides of carbon.

Advice for firefighters: Wear full firefighting gear and self-contained breathing apparatus.

Section 6: ACCIDENTAL RELEASE MEASURES

An emergency response plan complying with Part 5 of the Health and Safety at Work (Hazardous Substances) Regulations 2017 is required for quantities greater than 10,000L.

Precautions: Clear area of all unprotected personnel. Keep unnecessary and unprotected personnel from entering area. Remove ignition sources.

Suitable Protective Equipment: Emergency responders must use personal protective equipment, including gloves and safety glasses with side shields or safety goggles. Respiratory protection is not normally required.

Spill or Leak Procedures. Stop the leak if safe to do so. Absorb the spill with suitable absorbent material, e.g., sand, earth, vermiculite, and collect into a properly labelled waste container for disposal. Residual quantities may be washed away with water.

Waste Disposal Methods: Dispose of as per Section 13.

Emergency preparation: Ensure there is appropriate and adequate personal protective equipment, trained personnel and clean up materials for management of accidental release.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with skin and eyes. Avoid breathing vapours, mist, sprays. Keep away from heat, hot surfaces, open flames, sparks. Do not eat, drink, or smoke, when using this product. Remove contaminated clothing and wash hands and face before entering eating areas.

Storage: Store locked up, in closed containers, in a dry, well-ventilated area. Keep away from heat, hot surfaces, and direct sunlight. Do not store near food, drink, or

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animal feed. Do not store in unlabelled containers.

Site Storage Requirements: Site Signage is required when quantities exceed 10,000L.

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Exposure Standards NZ: No Workplace Exposure Standards have been established for this product but have been established for the following ingredient:

Titanium dioxide: TWA 10 mg/m³

Engineering Controls: Not normally required during typical handling and use. General ventilation is adequate for typical use of product.

Personal Protective Equipment: Avoid contact with skin and eyes. Do not breathe vapours, mist, spray. Observe good chemical hygiene practice.

Hand protection: Wear protective gloves. Refer to Australian and New Zealand Standard AS/NZS 2161 for protective gloves.

Skin and body protection: Wear protective clothing. Refer to Australian and New Zealand Standard AS/NZS 4501 for occupational protective clothing.

Eye protection: Use safety glasses with side shields or safety goggles. Refer to AS/NZS 1336 for suitable eye and face protection.

Respiratory protection: Where there is inadequate ventilation and use results in the formation of mist/spray, use a respirator. If required use a respirator with an organic vapour cartridge. Refer to AS/NZS 1715 and AS/NZS 1716 for suitable respiratory protection.

Other information: Handle in accordance with safe industrial hygiene practices.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Description:	Liquid	Colour:	Clear
Odour:	Solvent	Odour Threshold:	Not available
pH:	7.5	Solubility (water, 20°C):	Dispersible
Freezing point:	Not available	Boiling Point:	> 100°C
Flammability:	Combustible	Flash Point:	> 60°C - < 93°C
UEL/LEL:	Not available	Vapour Pressure (25°C):	< 1
Decomposition Temp:	Not available	Autoignition Temp:	Not applicable
Relative Density:	1.01 (20°C)	Vapour Density:	> 1
Partition Coefficient: n-octanol/water	Not available	Viscosity:	Not available
Particle characteristics:	Not applicable		

Section 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage conditions.

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Reactivity: No dangerous reactions are expected to occur under normal storage and use conditions.

Conditions to Avoid: Heat, hot surfaces, sunlight.

Incompatibility: Strong oxidisers

Hazardous Decomposition: Thermal decomposition may result in toxic gases being released including oxides of carbon.

Section 11: TOXICOLOGICAL INFORMATION

Acute Exposure

Acute Toxicity: LD50 oral > 2000 mg/kg.
LD50 dermal > 2000 mg/kg
LC₅₀ inhalation (mist/spray) > 5.0 mg/L

Inhalation: Not expected to cause toxic effects or be a respiratory irritant.

Ingestion: May be fatal if swallowed and aspirated into airways.

Skin Contact: Not expected to be a skin irritant.

Eye Contact: Not expected to be an eye irritant.

Sensitiser: Not expected to be a respiratory or contact sensitiser.

Chronic Exposure:

Mutagen/Carcinogen/Reproductive Toxicant No chronic toxicity effects expected.

Specific Target Organ Systemic Toxicity: Aspiration hazard.

Toxicity data is based on hazardous ingredient information and information in the EPA Chemical Classification and Identification Database.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: Product is not classified as ecotoxic.

Persistence/degradability: Not available.

Bioaccumulation: Not available.

Mobility: Product is dispersible in water.

Ecotoxicity data is based on hazardous ingredient information.

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Section 13: DISPOSAL CONSIDERATIONS

Disposal: Recycle and reuse wherever possible. Dispose of waste product via an approved waste disposal contractor.

Disposal of Packaging: Dispose of packaging via an approved waste disposal contractor.

Section 14: TRANSPORT INFORMATION

This product is not classified as a Dangerous Good for transport in accordance with NZS5433:2020, IMDG or IATA.

Ensure transportation methods prevent leakage from packages and collapsing loads.

Section 15: REGULATORY INFORMATION

Group Standard Allocation: Surface Coatings and Colourants (Combustible) Group Standard 2020

HSNO Approval Code: HSR002657

Classifications: Flammable liquid – Category 4
Aspiration hazard – Category 1

This substance triggers:	Compliance Certificate	N/A
	Certified Handler	N/A
	Emergency Response Plan	10,000L
	Secondary Containment	10,000L
	Signage	10,000L

This substance is not required to be Tracked. All workplace personnel handling this substance are required to be trained on the safe handling and PPE requirements for the hazards associated with this substance.

Section 16: OTHER INFORMATION

The information provided in this Safety Data Sheet relates only to the specific material designated herein. This Safety Data Sheet summarises our best knowledge of the health and safety hazard information of the product and how to safely handle the product in the workplace. Each user should read this SDS and consider the information in the context of how the product will be handled and used in the workplace including its use in conjunction with other products.

This substance is approved for use as a coating used in car detailing. All reasonable care has been taken to ensure that the information and advice contained herein are from sources believed to be reliable and to represent the most up-to-date knowledge available at the date given in Section 16. No liability is assumed for any damages related to the use or misuse of this substance.

All chemical materials may present unknown hazards as people have varying degrees of sensitivity to chemicals. Therefore, this product should be used with caution. The information herein is given in good faith, but no warranty,

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express or implied is made.

SDS Issued: 28 September 2022

Reason for Revision: Update to New Zealand regulatory requirements.

References:

EPA NZ Chemical Classification and Information Database
European Chemical Agencies Database
EPA Guide: Assigning a Hazardous Substance to a Group Standard, 2014
Supplier SDS: 3D International, USA, Ceramic Coating, May 2018

END OF SAFETY DATA SHEET