

TPW-00 Water Based Acrylic Marking paint White**SECTION 1. IDENTIFICATION**

Product Identifier TPW-00 Water Based Acrylic Marking paint White
Product Family Water Thinned Paint
Recommended Use Coating.
Restrictions on Use Not applicable.
Manufacturer/Supplier Identifier Denalt Paints, 8620 Pascal Gagnon, St-Leonard, Quebec, H1P 1Z1
Emergency Phone No. Peinture DENALT Paints, 514-328-2727 / 514-691-3533
SDS No. 0256
Date of Preparation mai 06, 2019

SECTION 2. HAZARD IDENTIFICATION

Classified according to Canada's Hazardous Products Regulations (WHMIS 2015).

Classification

Carcinogenicity - Category 1

Label Elements

H350 May cause cancer.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Titanium dioxide	13463-67-7	Max 10		
Propionic acid, 2-methyl-, monoester with 2,2,4-trimethyl-1,3-pentanediol	25265-77-4	Max 2		
Kaolin, calcined	92704-41-1	Max 10		
Calcium carbonate	1317-65-3	Max 50		
Methanol	67-56-1	Max 3		

SECTION 4. FIRST-AID MEASURES**First-aid Measures****Inhalation**

Get medical advice or attention if you feel unwell or are concerned.

Skin Contact

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Wash gently and thoroughly with lukewarm, gently flowing water and mild soap for 5 minutes.

Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

Not applicable.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media

Not applicable.

Specific Hazards Arising from the Product

Does not burn.

Not known to generate any hazardous decomposition products in a fire.

Special Protective Equipment and Precautions for Fire-fighters

No special precautions are necessary.

Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

No special clean-up methods are necessary.

Other Information

None known.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

It is good practice to: avoid breathing product; avoid skin and eye contact and wash hands after handling.

Conditions for Safe Storage

Protect from conditions listed in Conditions to Avoid in Section 10 (Stability and Reactivity).

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH TLV®		OSHA PEL		AIHA WEEL	
	TWA	STEL	TWA	Ceiling	8-hr TWA	TWA
Titanium dioxide	10 mg/m3 Not established					
Calcium carbonate	10 mg/m3		15 mg/m3			

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Methanol	200 ppm Skin	250 ppm Skin	260 mg/m ³ Skin	325 mg/m ³ Skin		
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Consult local authorities for provincial or state exposure limits.

Appropriate Engineering Controls

The hazard potential of this product is relatively low. General ventilation is usually adequate.

Individual Protection Measures

Eye/Face Protection

Not required if product is used as directed.

Skin Protection

Not required, if used as directed.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	White liquid.
Odour	Ammonia-like
Odour Threshold	Not available
pH	8.5 - 9.5
Melting Point/Freezing Point	Not available (melting); 0 °C (freezing)
Initial Boiling Point/Range	100 °C
Flash Point	>= 113.33 °C (closed cup) (estimated) (Methanol)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	Not applicable (upper); Not applicable (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	1.60 - 1.70
Solubility	Soluble in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not applicable
Decomposition Temperature	Not available
Viscosity	Not applicable (kinematic); Not applicable (dynamic)

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Temperatures below 0 °C

Incompatible Materials

Not applicable.

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Hazardous Decomposition Products

Not applicable.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Likely Routes of Exposure

Skin contact; eye contact; ingestion.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Titanium dioxide	> 6820 mg/m ³ (rat) (4-hour exposure) (dust)	Not available	> 10000 mg/kg (rabbit)
Propionic acid, 2-methyl-, monoester with 2,2, 4-trimethyl-1,3-pentanediol	> 3.55 mg/L (rat) (4-hour exposure)	6500 mg/kg (rat) (4-hour exposure)	> 15200 mg/kg (rabbit)
Kaolin, calcined	Not available	> 5000 mg/kg (rat) (dust)	> 5000 mg/kg (rat) (dust)
Calcium carbonate	Not applicable		
Methanol	64 000 ppm (rat) (4-hour exposure)	5 628 mg/kg (rat)	15 800 mg/kg (rabbit)

Skin Corrosion/Irritation

No information was located.

Serious Eye Damage/Irritation

Human experience shows very mild irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

No information was located.

Skin Absorption

No information was located.

Ingestion

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Titanium dioxide	Group 2B	A4		Listed
Propionic acid, 2-methyl-, monoester with 2,2, 4-trimethyl-1,3-pentanediol	Not Listed			
Methanol	Not Listed	Not Listed	Not Listed	Not Listed

Even if IARC considers titanium dioxide as being potentially cancerogenous for humans, this conclusion should be understood as follows: " We think that the use of titanium dioxide in products where it is bonded to other materials, like in the case of paint, do not cause significant exposure to titanium dioxide."

Key to Abbreviations

OSHA = US Occupational Safety and Health Administration. IARC = International Agency for Research on Cancer. NTP

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= National Toxicology Program. ACGIH® = American Conference of Governmental Industrial Hygienists.

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

No information was located.

Effects on or via Lactation

No information was located.

Germ Cell Mutagenicity

No information was located.

Interactive Effects

No information was located.

Other Information

None known

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Titanium dioxide	> 1000 mg/L (Pimephales promelas (fathead minnow); 96-hour)		> 61 mg/L (Pseudokirchneriella subcapitata (algae); 72-hour)	> 100 mg/L (Daphnia magna (water flea); 48-hour)
Propionic acid, 2-methyl-, monoester with 2,2, 4-trimethyl-1, 3-pentenediol	33 mg/L (Pimephales promelas (fathead minnow); 96-hour)	147.8 mg/L (Daphnia magna (water flea); 48-hour)		15 mg/L (Pseudokirchneriella subcapitata (algae); 72-hour)
Methanol	28 100 mg/L (Pimephales promelas (fathead minnow); 96-hour)	24 500 mg/L (Daphnia magna (water flea); 48-hour)		7.1 mg/L (Selenastrum capricornutum (algae); 48-hour)

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

This product is a non-hazardous waste. The required hazard evaluation of the waste and compliance with the applicable hazardous waste laws are the responsibility of the user.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

Environmental Hazards Not applicable

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

Other Information Not regulated under IMDG / IMO

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SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

None known.

SECTION 16. OTHER INFORMATION

NFPA Rating	Health - 1	Flammability - 1	Instability - 0
SDS Prepared By	Product Stewardship Dept		
Phone No.	514-328-2727		
References	CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). Registry of Toxic Effects of Chemical Substances (RTECS®) database. Dassault Systèmes/BIOVIA ("BIOVIA"). Available from Canadian Centre for Occupational Health and Safety (CCOHS).		

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