

# SAFETY DATA SHEET



**RENOL-WHITE SB03800086-ZN**

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Substance key: 000000940611

Revision Date: 01/09/2023

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## SECTION 1. IDENTIFICATION

<b>Identification of the company:</b>	Avient Colorants Canada Inc. 2 Lone Oak Court Toronto, Ontario M9C 5R9, Telephone No.: +1 416-847-7000
	<b>Information of the substance/preparation:</b> Product Stewardship e-mail: SDS.NORAMMB@avient.com
	<b>Emergency tel. number:</b> 1-800-424-9300 (CHEMTREC)

<b>Trade name:</b>	<b>RENOL-WHITE SB03800086-ZN</b>
<b>Material number:</b>	SB03800086
<b>Chemical family:</b>	Colourant preparation Carrier: ABS
<b>Primary product use:</b>	Additive for plastic material processing

## SECTION 2. HAZARDS IDENTIFICATION

### GHS classification in accordance with the Hazardous Products Regulations

Not a hazardous substance or mixture.

### GHS label elements

Not a hazardous substance or mixture.

### Other hazards

Hazards Not Otherwise Classified:

If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Colourant preparation  
Carrier: ABS

### Components

Chemical name	Common Name/Synonym	CAS-No.	Concentration (% w/w)
Amorphous silicon dioxide	Amorphous silicon dioxide	7631-86-9	0.1 - 1
Propylidynetrimethanol	Propylidynetrim ethanol	77-99-6	0.1 - 1
Limestone	Limestone	1317-65-3	0.1 - 1

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Aluminium hydroxide	Aluminium hydroxide	21645-51-2	1 - 5
C.I. Pigment White 6	titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$ ]	13463-67-7	30 - 60

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200) and by the Canadian WHMIS 2015 Hazardous Products Regulations (SOR/2015-17)., The hazardous ingredients of this product are encapsulated, therefore the material is not GHS classified for health and environmental hazards as exposure is not expected., Any concentration shown as a range is due to batch variation.

## SECTION 4. FIRST AID MEASURES

- If inhaled : Move the victim to fresh air.  
Give oxygen or artificial respiration if needed.  
Get immediate medical advice/ attention.  
Never give anything by mouth to an unconscious person.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes.  
In case of burns apply cold water until pain subsides then seek medical advice.  
Burns must be treated by a physician.  
If molten polymer contacts the skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical attention for thermal burn. Skin absorption of reground pellets is unlikely.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Get medical attention immediately if irritation develops and persists.
- If swallowed : Rinse mouth.  
Do NOT induce vomiting.  
Never give anything by mouth to an unconscious person.  
Get medical advice/ attention.
- Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).  
No additional symptoms are known.
- Notes to physician : Treat symptomatically.

## SECTION 5. FIREFIGHTING MEASURES

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- Suitable extinguishing media : Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:  
Styrene  
Hydrogen cyanide (hydrocyanic acid)  
Acrylonitrile  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Metal oxides  
Carbon monoxide and carbon dioxide  
Take measures to prevent the build up of electrostatic charge.  
Dust can form an explosive mixture in air.  
Sulphur dioxide
- Further information : Combustible material  
In the event of fire and/or explosion do not breathe fumes.  
During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion  
Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.  
Do not allow run-off from fire fighting to enter drains or water courses.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Special protective equipment for firefighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Refer to protective measures listed in sections 7 and 8.  
Avoid contact with skin, eyes and clothing.  
Wash thoroughly after handling.
- Environmental precautions : Do not allow contact with soil, surface or ground water.  
Prevent product from entering drains.
- Methods and materials for containment and cleaning up : Avoid dust formation.  
Take measures to prevent the build up of electrostatic charge.  
Sweep up and shovel into suitable containers for disposal.  
Take up uncontaminated material and pass on for further processing.  
After cleaning, flush away traces with water.

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## SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Take measures to prevent the build up of electrostatic charge.
- Advice on safe handling : Handle in accordance with good industrial hygiene and safety practice.  
Use only with adequate ventilation/personal protection.  
For personal protection see section 8.  
Avoid contact with skin, eyes and clothing.  
Use only with adequate ventilation.  
When handling hot melts use suitable protective clothing.  
Avoid dust formation. Keep away from sources of ignition.  
Lead off electrostatic charges.
- Conditions for safe storage : Keep container tightly closed in a cool, well-ventilated place.  
Protect from moisture.  
Keep away from direct sunlight.
- Further information on storage conditions : Store in a cool, dry, well-ventilated area. Keep container sealed when not in use.  
Keep in an area equipped with sprinklers.  
Minimize dust generation and accumulation.
- Materials to avoid : not required

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
C.I. Pigment White 6	13463-67-7	TWA	10 mg/m3	CA AB OEL
		TWA (Total dust)	10 mg/m3	CA BC OEL
		TWA (respirable dust fraction)	3 mg/m3	CA BC OEL
		TWAEV (total dust)	10 mg/m3	CA QC OEL
		TWA	10 mg/m3 (Titanium dioxide)	ACGIH
Aluminium hydroxide	21645-51-2	TWAEV (total dust)	10 mg/m3	CA QC OEL
		TWA (Respirable)	1 mg/m3 (Aluminium)	CA BC OEL

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		TWA (Respirable particulate matter)	1 mg/m3 (Aluminium)	ACGIH
Amorphous silicon dioxide	7631-86-9	TWA (Respirable particulates)	0.025 mg/m3 (Silica)	CA AB OEL
		TWAEV (respirable dust)	6 mg/m3	CA QC OEL
Limestone	1317-65-3	TWA	10 mg/m3	CA AB OEL
		TWAEV (total dust)	10 mg/m3	CA QC OEL
		TWA (Total dust)	10 mg/m3	CA BC OEL
		TWA (respirable dust fraction)	3 mg/m3	CA BC OEL
		STEL	20 mg/m3	CA BC OEL

**Engineering measures** : Use only in area provided with appropriate exhaust ventilation.  
Provide appropriate exhaust ventilation at machinery and at places where dust can be generated.  
Use engineering controls such as local or general exhaust to maintain airborne concentrations below exposure limits.

## Personal protective equipment

**Respiratory protection** : Use NIOSH/MSHA approved respirators following manufacturer's recommendations where dust or fume may be generated.  
Use respiratory protective equipment when using this product at elevated temperatures (see section 8).

**Hand protection**  
**Remarks** : Nitrile rubber gloves. Impervious butyl rubber gloves PVC Neoprene gloves When handling hot material, use heat resistant gloves.

**Eye protection** : Safety glasses with side-shields

**Skin and body protection** : Wear protective clothing, including long sleeves and gloves, to prevent skin contact.  
When handling hot melts use suitable protective clothing.

**Hygiene measures** : The usual Industrial Hygiene precautions must be taken during work, in particular: do not drink, eat or smoke during the handling of the product and clean hands and face during work intervals and after work.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Granules
Colour	: white
Odour	: characteristic
Odour Threshold	: Not applicable
pH	: Not applicable
Melting point	: > 90 °C
Boiling point	: Not applicable
Flash point	: Not applicable
Evaporation rate	: Not applicable
Flammability (solid, gas)	: not determined
Self-ignition	: Not applicable
Upper explosion limit / upper flammability limit	: not tested.
Lower explosion limit / Lower flammability limit	: not tested.
Vapour pressure	: Not applicable
Relative vapour density	: Not applicable
Relative density	: not available
Density	: not tested.
Solubility(ies) Water solubility	: insoluble
Partition coefficient: n-octanol/water	: This property is not applicable for mixtures.
Decomposition temperature	: To the best of our current knowledge, no thermal decomposition of the product is expected if it is processed according to good manufacturing practices.

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See section 10.4. "Conditions to avoid"

Viscosity	
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: Not applicable
Explosive properties	: no data available no data available
Oxidizing properties	: not available
Surface tension	: Not relevant
Particle size	: Product specific

## SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: To avoid thermal decomposition, do not overheat. Heating can release hazardous gases. Keep away from heat, sparks, open flames, and other sources of ignition. If small particles are generated during further processing, handling or by other means, may form combustible dust concentrations in air. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.
Incompatible materials	: Strong acids Strong oxidizing agents Strong acids and strong bases
Hazardous decomposition products	: No decomposition if used as directed.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

None known.

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## Acute toxicity

### Components:

#### **Propylidynetrimehanol:**

Acute oral toxicity : LD50 (Rat, male): 14,700 mg/kg  
Method: Other

Acute dermal toxicity : LD50 (Rabbit): > 10,000 mg/kg  
Method: Other

## Skin corrosion/irritation

### Product:

Result: No skin irritation

## Serious eye damage/eye irritation

### Product:

Result: No eye irritation

## Respiratory or skin sensitisation

### Product:

Result: non-sensitizing

## Reproductive toxicity

### Components:

#### **Propylidynetrimehanol:**

Reproductive toxicity - Assessment : Some evidence of adverse effects on sexual function and fertility, based on animal experiments., Some evidence of adverse effects on development, based on animal experiments.

## Experience with human exposure

### Product:

General Information : The possible symptoms known are those derived from the labelling (see section 2).

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

Toxicity to fish :  
Remarks: no data available



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## **Components:**

### **Propylidynetrimethanol:**

- Toxicity to fish : LC50 (Alburnus alburnus (Bleak)): > 1,000 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: Other
- Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 13,000 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: Other
- Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 1,000 mg/l  
Exposure time: 72 h  
Method: Other
- Toxicity to fish (Chronic toxicity) : Remarks: not required
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC (Daphnia magna (Water flea)): > 1,000 mg/l  
Exposure time: 21 d  
Test Type: static test  
Method: Other

### **C.I. Pigment White 6:**

#### **Ecotoxicology Assessment**

- Acute aquatic toxicity : Harmful to aquatic life.

#### **Persistence and degradability**

no data available

#### **Bioaccumulative potential**

#### **Product:**

- Bioaccumulation : Remarks: not tested.

## **Components:**

### **C.I. Pigment White 6:**

- Partition coefficient: n-octanol/water : Remarks: inorganic

#### **Mobility in soil**

#### **Product:**

- Distribution among environmental compartments : Remarks: not tested.

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## Other adverse effects

### Product:

Results of PBT and vPvB assessment : Remarks: No information is available as no chemical safety report (CSR) is required.

Additional ecological information : Do not allow to enter ground water, waterways or waste water.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of this product in accordance with all applicable local, state and federal regulations.

Contaminated packaging : Regulations concerning reuse or disposal of used packaging materials must be observed.

## SECTION 14. TRANSPORT INFORMATION

**TDG** not restricted

**IATA** not restricted

**IMDG** not restricted

## SECTION 15. REGULATORY INFORMATION

**NPRI Components** : Styrene

**The components of this product are reported in the following inventories:**

DSL : All components of this product are on the Canadian DSL

### Canadian lists

No substances are subject to a Significant New Activity Notification.

## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

ACGIH : USA. ACGIH Threshold Limit Values (TLV)  
CA AB OEL : Canada. Alberta, Occupational Health and Safety Code (table 2: OEL)  
CA BC OEL : Canada. British Columbia OEL  
CA QC OEL : Québec. Regulation respecting occupational health and safety, Schedule 1, Part 1: Permissible exposure values for airborne contaminants  
ACGIH / TWA : 8-hour, time-weighted average

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CA AB OEL / TWA : 8-hour Occupational exposure limit  
CA BC OEL / TWA : 8-hour time weighted average  
CA BC OEL / STEL : short-term exposure limit  
CA QC OEL / TWA EV : Time-weighted average exposure value

AIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

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