# SAFETY DATA SHEET

The information in this Safety Data Sheet is required pursuant to Hazardous Product Regulations 2015.

Date of issue/Date of revision: 2 June 2019
Version: 7

## Section 1. Identification

<table>
<thead>
<tr>
<th>Product name</th>
<th>79601 OLYMPIC MAXIMUM STAIN/SEALANT IN ONE SOLID COLOR-WHITE/BASE 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>00402352</td>
</tr>
<tr>
<td>Other means of identification</td>
<td>Not available.</td>
</tr>
<tr>
<td>Product type</td>
<td>Liquid.</td>
</tr>
</tbody>
</table>

**Relevant identified uses of the substance or mixture and uses advised against**

<table>
<thead>
<tr>
<th>Product use</th>
<th>Consumer applications, Professional applications, Used by spraying.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use of the substance/mixture</td>
<td>Coating.</td>
</tr>
<tr>
<td>Uses advised against</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**Supplier**

PPG Architectural Coatings Canada, Inc.
2505 Metropole Street
Longueuil QC J4G 1E5
Canada
+1 450-442-7999

PPG Industries, Inc.
One PPG Place
Pittsburgh, PA 15272

**Emergency telephone number**

(412) 434-4515 (U.S.)
(514) 645-1320 (Canada)
01-800-00-21-400 or + 52 55 5559 1588 (Mexico)

**Technical Phone Number**

1-800-441-9695 (8:00 am to 5:00 pm EST)

## Section 2. Hazard identification

**Classification of the substance or mixture**

- CARCINOGENICITY - Category 2
- SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (kidneys) - Category 2
- Health Hazards Not Otherwise Classified - Category 1

This product contains TiO2 which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many PPG products, TiO2 is utilized as a raw material in a liquid coating formulation. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8).
Section 2. Hazard identification

Hazard pictograms:

Signal word: Danger

Hazard statements:
- Prolonged or repeated contact may dry skin and cause irritation.
- Suspected of causing cancer.
- May cause damage to organs through prolonged or repeated exposure. (kidneys)

Precautionary statements

General:
- Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention:
- Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves. Wear protective clothing. Wear eye or face protection. Do not breathe vapor.

Response:
- Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention.

Storage:
- Store locked up.

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

Supplemental label elements:
- Contains isothiazolinones. May cause allergic reaction. Sanding and grinding dusts may be harmful if inhaled. Avoid contact with skin and clothing. Wash thoroughly after handling. Emits toxic fumes when heated.
- Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 25.2% (Oral), 25.2% (Dermal), 26.4% (Inhalation)

Section 3. Composition/information on ingredients

Substance/mixture: Mixture
Product name: 79601 OLYMPIC MAXIMUM STAIN/SEALANT IN ONE SOLID COLOR-WHITE/BASE 1
Other means of identification: Not available.

CAS number/other identifiers

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Synonyms</th>
<th>% (w/w)</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>Not available.</td>
<td>5 - 10*</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>Diatomaceous earth</td>
<td>Not available.</td>
<td>1 - 5*</td>
<td>61790-53-2</td>
</tr>
<tr>
<td>Nepheline syenite</td>
<td>Not available.</td>
<td>1 - 5*</td>
<td>37244-96-5</td>
</tr>
<tr>
<td>Zinc oxide</td>
<td>Not available.</td>
<td>1 - 5*</td>
<td>1314-13-2</td>
</tr>
<tr>
<td>Aluminium oxide</td>
<td>Not available.</td>
<td>1 - 5*</td>
<td>1344-28-1</td>
</tr>
<tr>
<td>Ethanediol</td>
<td>Not available.</td>
<td>0.5 - 1.5*</td>
<td>107-21-1</td>
</tr>
</tbody>
</table>

*Any concentration shown as a range is to protect confidentiality.
Section 3. Composition/information on ingredients

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.

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

Section 4. First-aid measures

If ingestion, irritation, any type of overexposure or symptoms of overexposure occur during or persists after use of this product, contact a POISON CONTROL CENTER, EMERGENCY ROOM OR PHYSICIAN immediately; have Safety Data Sheet information available. Never give anything by mouth to an unconscious or convulsing person.

Description of necessary first aid measures

Eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice. In case of accidental eye contact, avoid direct exposure to the sun or other sources of UV light as severe irritation including burns may result. These reactions can be delayed – get medical attention if pain, irritation or blistering occurs after contact.

Inhalation

Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.

Skin contact

Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. In case of accidental skin contact, avoid direct exposure to the sun or other sources of UV light as severe irritation including burns may result. These reactions can be delayed – get medical attention if pain, irritation, rash or blistering occurs after contact.

Ingestion

If swallowed, seek medical advice immediately and show this container or label. Keep person warm and at rest. Do NOT induce vomiting.

Most important symptoms/effects, 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: Defatting to the skin. May cause skin dryness and irritation.
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
dryness
  cracking
Ingestion: No specific data.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments: No specific treatment.
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.
Section 4. First-aid measures

See toxicological information (Section 11)

Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: None known.

Specific hazards arising from the chemical: In a fire or if heated, a pressure increase will occur and the container may burst.

Hazardous thermal decomposition products: Decomposition products may include the following materials:
- carbon oxides
- metal oxide/oxides

Special protective actions for fire-fighters: 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.

Special protective equipment for fire-fighters: 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

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 and cleaning up

Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill: Stop leak if without risk. Move containers from spill area. Approach 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). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.
Section 6. Accidental release measures

Section 7. Handling and storage

Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Special precautions: If this material is part of a multiple component system, read the Safety Data Sheet(s) for the other component or components before blending as the resulting mixture may have the hazards of all of its parts.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities: Do not store below the following temperature: 5°C (41°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. 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. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
</table>
| Titanium dioxide | CA British Columbia Provincial (Canada, 6/2017).  
TWA: 3 mg/m³ 8 hours. Form: Respirable dust  
TWA: 10 mg/m³ 8 hours. Form: Total dust  
CA Quebec Provincial (Canada, 1/2014).  
TWAEV: 10 mg/m³ 8 hours. Form: Total dust  
CA Alberta Provincial (Canada, 4/2009).  
Skin sensitizer.  
8 hrs OEL: 10 mg/m³ 8 hours.  
CA Ontario Provincial (Canada, 1/2018).  
TWA: 10 mg/m³ 8 hours. Form: total dust  
CA Saskatchewan Provincial (Canada, 7/2013).  
STEL: 20 mg/m³ 15 minutes.  
TWA: 10 mg/m³ 8 hours. |

Canada  Page: 5/14
# Section 8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Material</th>
<th>Provinces/Issues</th>
<th>STEL/15 min</th>
<th>TWA/TWA/8 hours</th>
<th>Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diatomaceous earth</td>
<td>CA Saskatchewan Provincial (Canada, 7/2013).</td>
<td>20 mg/m³</td>
<td>10 mg/m³ 8 h</td>
<td>Inhalable fraction</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 mg/m³</td>
<td>3 mg/m³ 8 h</td>
<td>respirable fraction</td>
</tr>
<tr>
<td></td>
<td>CA British Columbia Provincial (Canada, 6/2017).</td>
<td></td>
<td>1.5 mg/m³ 8 h</td>
<td>Respirable</td>
</tr>
<tr>
<td></td>
<td>CA Quebec Provincial (Canada, 1/2014).</td>
<td></td>
<td>6 mg/m³ 8 h</td>
<td>Total dust</td>
</tr>
<tr>
<td>Nepheline syenite</td>
<td>CAOntario Provincial (Canada, 1/2018).</td>
<td></td>
<td>10 mg/m³ 8 h</td>
<td>Total dust</td>
</tr>
<tr>
<td></td>
<td>CA Alberta Provincial (Canada, 4/2009).</td>
<td></td>
<td>2 mg/m³ 8 h</td>
<td>Respirable</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>10 mg/m³ 15 m</td>
<td>Respirable</td>
</tr>
<tr>
<td>zinc oxide</td>
<td>CA British Columbia Provincial (Canada, 6/2017).</td>
<td></td>
<td>2 mg/m³ 8 h</td>
<td>Respirable fraction</td>
</tr>
<tr>
<td></td>
<td>CA Ontario Provincial (Canada, 1/2018).</td>
<td></td>
<td>2 mg/m³ 8 h</td>
<td>Respirable fraction</td>
</tr>
<tr>
<td></td>
<td>CA Quebec Provincial (Canada, 1/2014).</td>
<td></td>
<td>5 mg/m³ 8 h</td>
<td>fume</td>
</tr>
<tr>
<td>aluminium oxide</td>
<td>CA Saskatchewan Provincial (Canada, 7/2013).</td>
<td></td>
<td>2 mg/m³ 8 h</td>
<td>respirable dust and fume</td>
</tr>
<tr>
<td></td>
<td>CA Ontario Provincial (Canada).</td>
<td></td>
<td>10 mg/m³ 8 h</td>
<td>Respirable</td>
</tr>
<tr>
<td></td>
<td>CA British Columbia Provincial (Canada, 6/2017).</td>
<td></td>
<td>10 mg/m³ 8 h</td>
<td>Total dust</td>
</tr>
<tr>
<td></td>
<td>CA Ontario Provincial (Canada, 1/2018).</td>
<td></td>
<td>10 mg/m³ 8 h</td>
<td>Total dust</td>
</tr>
<tr>
<td></td>
<td>CA Quebec Provincial (Canada, 1/2014).</td>
<td></td>
<td>10 mg/m³ 8 h</td>
<td>Respirable fraction</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 mg/m³ 8 h</td>
<td>Respirable</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>1 mg/m³ 8 h</td>
<td>Respirable fraction</td>
</tr>
</tbody>
</table>
### Section 8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Product name</th>
<th>79601 OLYMPIC MAXIMUM STAIN/SEALANT IN ONE SOLID COLOR-WHITE/BASE 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product code</td>
<td>00402352</td>
</tr>
<tr>
<td>Date of issue</td>
<td>2 June 2019</td>
</tr>
<tr>
<td>Version</td>
<td>7</td>
</tr>
</tbody>
</table>

#### Total dust.
- **CA Alberta Provincial (Canada, 4/2009).**
  - 8 hrs OEL: 10 mg/m³ 8 hours.
- **CA Saskatchewan Provincial (Canada, 7/2013).**
  - STEL: 20 mg/m³ 15 minutes.
  - TWA: 10 mg/m³ 8 hours.

#### ethanediol
- **CA British Columbia Provincial (Canada, 6/2017).**
  - C: 100 mg/m³ Form: Aerosol
  - STEL: 20 mg/m³ 15 minutes. Form: Particulate
  - TWA: 10 mg/m³ 8 hours. Form: Particulate
  - C: 50 ppm Form: Vapour
- **CA Ontario Provincial (Canada, 1/2018).**
  - C: 100 mg/m³ Form: Aerosol only.
- **CA Alberta Provincial (Canada, 4/2009).**
  - Skin sensitizer.
  - C: 100 mg/m³ 15 minutes. Form: aerosol
- **CA Saskatchewan Provincial (Canada, 7/2013).**
  - CEIL: 100 mg/m³ Form: aerosol
- **CA Quebec Provincial (Canada, 1/2014).**
  - STEV: 127 mg/m³ 15 minutes. Form: vapour and mist
  - STEV: 50 ppm 15 minutes. Form: vapour and mist

Consult local authorities for acceptable exposure limits.

**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.

**Appropriate engineering controls**
- If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**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.

**Individual protection measures**

**Hygiene measures**
- Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.
- Appropriate techniques should be used to remove potentially contaminated clothing.
- Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection**
- Safety glasses with side shields.
Section 8. Exposure controls/personal protection

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Gloves: Polyethylene

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.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before 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. If workers are exposed to concentrations above the exposure limit, they must use appropriate, certified respirators. Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

Section 9. Physical and chemical properties

Appearance

Physical state: Liquid.
Color: White.
Odor: Alcohol-like.
Odor threshold: Not available.

pH: 9.1
Melting point: Not available.
Boiling point: 100°C (212°F)
Flash point: Closed cup: Not applicable. [Product does not sustain combustion.]

Auto-ignition temperature: Not available.
Decomposition temperature: Not available.
Flammability (solid, gas): Not available.

Lower and upper explosive (flammable) limits: Not available.

Evaporation rate: 0.05 (butyl acetate = 1)
Vapor pressure: 3.3 kPa (25 mm Hg) [room temperature]
Vapor density: Not available.
Relative density: 1.22
Density (lbs / gal): 10.18
Solubility: Soluble in the following materials: cold water.
Partition coefficient: n-octanol/water: Not available.

Viscosity: Kinematic (40°C (104°F)): >0.21 cm²/s (>21 cSt)
Volatility: 87% (v/v), 54.404% (w/w)
% Solid. (w/w): 45.596
Section 10. Stability and reactivity

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

Chemical stability: The product is stable.

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

Conditions to avoid: When exposed to high temperatures may produce hazardous decomposition products.
Refer to protective measures listed in sections 7 and 8.

Incompatible materials: Keep away from the following materials to prevent strong exothermic reactions: oxidizing agents, strong alkalis, strong acids.

Hazardous decomposition products: Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>titanium dioxide</td>
<td>LC50 Inhalation Dusts and mists</td>
<td>Rat</td>
<td>&gt;6.82 mg/l</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>nepheline syenite</td>
<td>LC50 Inhalation Dusts and mists</td>
<td>Rat</td>
<td>&gt;5.07 mg/l</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Rat</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>zinc oxide</td>
<td>LC50 Inhalation Dusts and mists</td>
<td>Rat</td>
<td>&gt;5700 mg/m³</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Rat</td>
<td>&gt;2000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>ethanediol</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>9.53 g/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>4700 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Conclusion/Summary: There are no data available on the mixture itself.

Irritation/Corrosion

Conclusion/Summary

Skin: There are no data available on the mixture itself.
Eyes: There are no data available on the mixture itself.
Respiratory: There are no data available on the mixture itself.

Sensitization

Skin: There are no data available on the mixture itself.
Respiratory: There are no data available on the mixture itself.

Mutagenicity

Conclusion/Summary: There are no data available on the mixture itself.

Carcinogenicity

Conclusion/Summary: There are no data available on the mixture itself.

Classification
Section 11. Toxicological information

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td></td>
<td>2B</td>
<td>-</td>
</tr>
<tr>
<td>Diatomaceous earth</td>
<td></td>
<td>3</td>
<td>-</td>
</tr>
</tbody>
</table>

Carcinogen Classification code:
- IARC: 1, 2A, 2B, 3, 4
- NTP: Known to be a human carcinogen; Reasonably anticipated to be a human carcinogen
- OSHA: +
- Not listed/not regulated: -

Reproductive toxicity

Conclusion/Summary: There are no data available on the mixture itself.

Teratogenicity

Conclusion/Summary: There are no data available on the mixture itself.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanediol</td>
<td>Category 2</td>
<td>Oral</td>
<td>Kidneys</td>
</tr>
</tbody>
</table>

Target organs: Contains material which may cause damage to the following organs: blood, kidneys, lungs, liver, upper respiratory tract, skin, eyes, central nervous system (CNS).

Aspiration hazard

Not available.

Information on the likely routes of exposure

Potential acute health effects

Eye contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Skin contact: Defatting to the skin. May cause skin dryness and irritation.

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
- dryness
- cracking

Ingestion: No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

...
Section 11. Toxicological information

**Conclusion/Summary**: There are no data available on the mixture itself. Contains isothiazolinones. May cause allergic reaction. This product contains TiO2 which has been classified as a GHS Carcinogen Category 2 based on its IARC 2B classification. For many PPG products, TiO2 is utilized as a raw material in a liquid coating formulation. In this case, the TiO2 particles are bound in a matrix with no meaningful potential for human exposure to unbound particles of TiO2 when the product is applied with a brush or roller. Sanding the coating surface or mist from spray applications may be harmful depending on the duration and level of exposure and require the use of appropriate personal protective equipment and/or engineering controls (see Section 8). Acrylate components of the mixture have irritating properties. Prolonged or repeated contact with skin or mucous membrane may result in irritation symptoms, such as redness, blistering, dermatitis etc. May cause allergic skin reactions with repeated exposure. The inhalation of airborne droplets or aerosols may cause irritation of the respiratory tract. Ingestion may cause nausea, weakness and central nervous system effects. If splashed in the eyes, the liquid may cause irritation and reversible damage. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

**Short term exposure**

**Potential immediate effects**: There are no data available on the mixture itself.

**Potential delayed effects**: There are no data available on the mixture itself.

**Long term exposure**

**Potential immediate effects**: There are no data available on the mixture itself.

**Potential delayed effects**: There are no data available on the mixture itself.

**Potential chronic health effects**

**General**: May cause damage to organs through prolonged or repeated exposure. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or dermatitis.

**Carcinogenicity**: Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.

**Mutagenicity**: No known significant effects or critical hazards.

**Teratogenicity**: No known significant effects or critical hazards.

**Developmental effects**: No known significant effects or critical hazards.

**Fertility effects**: No known significant effects or critical hazards.

**Numerical measures of toxicity**

**Acute toxicity estimates**

<table>
<thead>
<tr>
<th>Route</th>
<th>ATE value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>30582.1 mg/kg</td>
</tr>
</tbody>
</table>
Section 12. Ecological information

**Toxicity**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>Acute LC50 &gt;100 mg/l Fresh water</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td>zinc oxide</td>
<td>Acute EC50 0.17 mg/l</td>
<td>Algae</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 0.481 mg/l Fresh water</td>
<td>Daphnia - Daphnia magna - Neonate</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 0.017 mg/l Fresh water</td>
<td>Algae</td>
<td>72 hours</td>
</tr>
</tbody>
</table>

**Bioaccumulative potential**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethanediol</td>
<td>-1.36</td>
<td>-</td>
<td>low</td>
</tr>
</tbody>
</table>

**Mobility in soil**

| Soil/water partition coefficient (K<sub>OC</sub>) | Not available. |

**Persistence and degradability**

Not available.

Section 13. Disposal considerations

**Disposal methods**

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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal should be in accordance with applicable regional, national and local laws and regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees. Section 6. Accidental release measures

Section 14. Transport information

<table>
<thead>
<tr>
<th></th>
<th>TDG</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN proper shipping name</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Transport hazard class(es)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Packing group</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Canada  Page: 12/14
Section 14. Transport information

Environmental hazards
- Marine pollutant substances
  - Not applicable.
- Not applicable.
- Not applicable.

Additional information
- TDG: None identified.
- IMDG: None identified.
- IATA: None identified.

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.

Section 15. Regulatory information

Canada inventory (DSL): All components are listed or exempted.

Section 16. Other information

Hazardous Material Information System (U.S.A.)
- Health: 2
- Flammability: 0
- Physical hazards: 0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on MSDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)
- Health: 2
- Flammability: 0
- Instability: 0
- Date of issue/Date of revision: 2 June 2019
- Organization that prepared the MSDS: EHS

Key to abbreviations:
- 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
- LogPow = logarithm of the octanol/water partition coefficient
- UN = United Nations

* Indicates information that has changed from previously issued version.

Disclaimer
Section 16. Other information

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by PPG, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.