

OVERCOAT PEN—GREEN

419D-P-GR

# Safety Data Sheet

## Section 1: Identification

### Product Identifier and Other Means of Identification

**Product Identifier:** Overcoat Pen—Green**Other Means of Identification:** Stylo de Vernis d'Épargne—Vert**Related Part #** 419D-P-GR

### Recommended Use and Restriction on Use

**Use:** Protective coating for printed circuit boards**Uses Advised Against:** Not available

### Details of Manufacturer or Importer

**Manufacturer**MG Chemicals  
1210 Corporate Drive  
Burlington, Ontario L7L 5R6  
CANADAMG Chemicals (Head Office)  
9347-193 Street  
Surrey, British Columbia V4N 4E7  
CANADA**☎** +1-800-340-0772**FAX** +1-800-340-0773**E-MAIL** [support@mgchemicals.com](mailto:support@mgchemicals.com)**WEB** [www.mgchemicals.com](http://www.mgchemicals.com)**☎** +1-905-331-1396**FAX** +1-905-331-2682**E-MAIL** [info@mgchemicals.com](mailto:info@mgchemicals.com)**E-MAIL** (Competent Person): [sds@mgchemicals.com](mailto:sds@mgchemicals.com)

### Emergency Phone Number



**For hazardous material incidents ONLY** (leaks, spills, fires, exposures or accidents)  
USA or CANADA—Call Verisk 3E at **+1-866-519-4752** or **+1-760-476-3962**  
(Service access code: 335388)**For emergencies involving the transport of dangerous goods;** 24/7 service  
CANADA—Call CANUTEC collect at **+1-613-996-6666** or **\*666** on cellular phones

**OVERCOAT PEN—GREEN**
**419D-P-GR**
**Section 2: Hazard(s) Identification**
**Classification of Hazardous Chemical**
**GHS Categories**

| Criteria  | Category | Signal Word | Pictograms  |
|---|----------|-------------|-------------|
| Flammable Liquid                                    | 2        | Danger      | Flame       |
| Skin Sensitization                                  | 1        | Warning     | Exclamation |
| Eye Irritation                                      | 2        | Warning     | Exclamation |
| Specific Target Organ Toxicity      Single Exposure | 3        | Warning     | Exclamation |
| Hazardous to the Aquatic Environment      Acute     | 3        | <i>none</i> | <i>none</i> |

*Note:* The degree of severity is ranked within each hazard class from 1 (Highest Severity) to up to 5 (Lowest Severity). Severity categories rankings do not allow comparisons between classes.

**Label Elements**

|   |   |
|---|---|
| <b>Signal Word</b>  | <b>DANGER</b>   |
| <b>Pictograms</b>   | <b>Hazard Statements</b>  |
|  | H225: Highly flammable liquid and vapor   |
|  | H317: May cause an allergic skin reaction<br>H319: Causes serious eye irritation<br>H336: May cause drowsiness or dizziness |
| <i>No Symbol Mandated</i>   | H402: Harmful to aquatic life   |

*Section continued on the next page*

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*Continued...*

| <b>Prevention</b>         | <b>Precautionary Statements</b>  |
|---------------------------|--|
| P102                      | Keep out of reach of children.   |
| P210                      | Keep away from heat, hot surfaces, sparks, flames, and other ignition sources. No Smoking.                                       |
| P233                      | Keep container tightly closed.   |
| P261, P271                | Avoid breathing vapors. Use only outdoors or in a well-ventilated area.  |
| P272                      | Contaminated work clothing should not be allowed out of the workplace.   |
| P280                      | Wear protective gloves and eye protection.   |
| P264                      | Wash hands thoroughly after handling.  |
| P273                      | Avoid release to the environment.  |
| <b>Response</b>           | <b>Precautionary Statements</b>  |
| P370 + P378               | In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.                                  |
| P303 + P361 + P364 + P352 | IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of water.        |
| P333 + P313               | If skin irritation or rash occurs: Get medical advice or attention.  |
| P304 + P340, P312         | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTRE or doctor if you feel unwell.    |
| P305 + P351 + P338        | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337 + P313               | If eye irritation persists: Get medical advice or attention.   |
| <b>Storage</b>            | <b>Precautionary Statements</b>  |
| P403 + P235               | Store in well-ventilated place. Keep cool.   |
| P405                      | Store locked up.   |
| <b>Disposal</b>           | <b>Precautionary Statements</b>  |
| P501                      | Dispose of contents in accordance to local, regional, national, and international regulations.                                   |

*Section continued on the next page*

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**Hazards Not Otherwise Classified**

| Other Criteria | Hazard Statements/Precautionary Statement             | Signal Word | Pictograms |
|----------------|---|-------------|------------|
| Defats skin    | Repeated exposure may cause skin dryness or cracking. | None        | None       |

**Section 3: Composition/Information on Ingredients**

| CAS #      | Chemical Name                | %(weight) |
|------------|------------------------------|-----------|
| 123-86-4   | n-butyl acetate              | 53%       |
| 78-93-3    | butan-2-one <sup>a)</sup>    | 12%       |
| 108-65-6   | 1-methoxy-2-propanol acetate | 5%        |
| 1333-86-4  | carbon black                 | 1%        |
| 8052-41-3  | Stoddard solvent             | 1%        |
| 13463-67-7 | titanium dioxide             | 0.2%      |
| 80-62-6    | methyl methacrylate          | 0.1%      |
| 97-88-1    | n-butyl methacrylate         | 0.1%      |

a) Also known as methyl ethyl ketone (MEK)

**Section 4: First-Aid Measures**

| <i>Exposure Condition</i> | <i>GHS Code/Symptoms/Precautionary Statements</i>   |
|---------------------------|---|
| <b>IF ON SKIN</b>         | P303 + P361 + P352, P333 + P313, P363   |
| <b>Immediate Symptoms</b> | <i>redness, irritation, dry skin</i>  |
| <b>Response</b>           | Take off immediately all contaminated clothing. Wash with plenty of water or shower.<br><br>If skin irritation or rash occurs: Get medical advice or attention.<br><br>Wash contaminated clothing before reuse. |

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|                           |  |
|---------------------------|--|
| <b>IF INHALED</b>         | P304 + P340, P312  |
| <b>Immediate Symptoms</b> | <i>dizziness, drowsiness, cough, headaches, sore throat, nausea</i>  |
| <b>Response</b>           | Remove person to fresh air and keep comfortable for breathing. If you feel unwell: Call a doctor.  |
| <b>IF IN EYES</b>         | P305 + P351 + P338, P337 + P313  |
| <b>Immediate Symptoms</b> | <i>redness, irritation, pain</i>   |
| <b>Response</b>           | Rinse cautiously with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br><br>If eye irritation persists: Get medical advice or attention. |
| <b>IF SWALLOWED</b>       | P301 + P330, P331  |
| <b>Immediate Symptoms</b> | <i>nausea, sore throat, diarrhea, drowsiness, dizziness, vomiting</i>  |
| <b>Response</b>           | Rinse mouth. Do NOT induce vomiting.   |

**Section 5: Fire-Fighting Measures**

|                            |   |
|----------------------------|---|
| <b>Extinguishing Media</b> | In case of fire: Use dry chemical, carbon dioxide, chemical foam, or water spray to extinguish.   |
| <b>Specific Hazards</b>    | The liquid may float on water and ignite.<br><br>The vapors are heavier than air and may accumulate in low-lying areas. Vapors may travel long distances and ignite at an ignition source, which can cause a flashback or an explosion. |
| <b>Combustion Products</b> | Produces carbon oxides (CO, CO <sub>2</sub> ).  |
| <b>Fire-Fighter</b>        | Wear self-contained breathing apparatus and full fire-fighting turn-out gear.   |

**OVERCOAT PEN—GREEN****419D-P-GR****Section 6: Accidental Release Measures**

|                                  |  |
|----------------------------------|--|
| <b>Personal Protection</b>       | See personal protection recommendations in Section 8.  |
| <b>Precautions for Response</b>  | Avoid breathing the vapors. Remove or keep away all sources of extreme heat or open flames.  |
| <b>Environmental Precautions</b> | Avoid releasing to the environment. Prevent spill from entering drains and waterways.  |
| <b>Containment</b>               | Not applicable   |
| <b>Cleaning</b>                  | Collect liquid in a sealable, solvent-resistant container. Wipe the residues with a paper towel and place dirty towels in container. Wash spill area with soap and water to remove the last traces of residue. |
| <b>Disposal</b>                  | Dispose of spill waste according to Section 13.  |

**Section 7: Handling and Storage**

|                   |  |
|-------------------|--|
| <b>Prevention</b> | Keep out of reach of children.<br><br>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br><br>Keep container tightly closed. Avoid breathing vapors. Use only outdoors or in a well-ventilated area.                     |
| <b>Handling</b>   | Wear protective gloves or eye protection.<br><br>Take off contaminated clothing and wash it before reuse. Contaminated work clothing should not be allowed out of the workplace.<br><br>Wash hands thoroughly after handling.<br><br>Avoid release to the environment. |
| <b>Storage</b>    | Store in well-ventilated place. Keep cool.<br><br>Store locked up.   |

**OVERCOAT PEN—GREEN**
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**Section 8: Exposure Controls/Personal Protection**
**Substances with Occupational Exposure Limit Values**

| <b>Chemical Name</b>           | <b>Country</b>  | <b>Long Term Exposure Limits (PEL)</b> | <b>Short Term Exposure Limits (STEL)</b> |
|--------------------------------|-----------------|--|--|
| n-butyl acetate                | ACGIH           | 150 ppm                                | Not established                          |
|                                | U.S.A. OSHA PEL | 150 ppm                                | Not established                          |
|                                | Canada AB       | 150 ppm                                | 200 ppm                                  |
|                                | Canada BC       | 20 ppm                                 | 200 ppm                                  |
|                                | Canada ON       | 150 ppm                                | Not established                          |
|                                | Canada QC       | 150 ppm                                | 200 ppm                                  |
| butan-2-one                    | ACGIH           | 200 ppm                                | 125 ppm                                  |
|                                | U.S.A. OSHA PEL | 200 ppm                                | 300 ppm                                  |
|                                | Canada AB       | 200 ppm                                | 300 ppm                                  |
|                                | Canada BC       | 50 ppm                                 | 100 ppm                                  |
|                                | Canada ON       | 200 ppm                                | 300 ppm                                  |
|                                | Canada QC       | 150 ppm                                | 300 ppm                                  |
| 1-methoxy-2-propanol acetate   | ACGIH           | Not established                        | Not established                          |
|                                | U.S.A. OSHA PEL | 50 ppm                                 | Not established                          |
|                                | Canada AB       | Not established                        | Not established                          |
|                                | Canada BC       | 50 ppm                                 | 75 ppm                                   |
|                                | Canada ON       | 50 ppm                                 | Not established                          |
|                                | Canada QC       | Not established                        | Not established                          |
| carbon black <sup>a)</sup>     | ACGIH           | 3.5 mg/m <sup>3</sup>                  | Not established                          |
|                                | U.S.A. OSHA PEL | 3.5 mg/m <sup>3</sup>                  | Not established                          |
|                                | Canada AB       | 3.5 mg/m <sup>3</sup>                  | Not established                          |
|                                | Canada BC       | 3 mg/m <sup>3</sup>                    | Not established                          |
|                                | Canada ON       | 3.5 mg/m <sup>3</sup>                  | Not established                          |
|                                | Canada QC       | 3.5 mg/m <sup>3</sup>                  | Not established                          |
| Stoddard solvent               | ACGIH           | 100 ppm                                | Not established                          |
|                                | U.S.A. OSHA PEL | 500 ppm                                | Not established                          |
|                                | Canada AB       | 100 ppm                                | Not established                          |
|                                | Canada BC       | 290 mg/m <sup>3</sup>                  | 580 mg/m <sup>3</sup>                    |
|                                | Canada ON       | 100 ppm                                | Not established                          |
|                                | Canada QC       | 100 ppm                                | Not established                          |
| titanium dioxide <sup>a)</sup> | ACGIH           | 10 mg/m <sup>3</sup>                   | Not established                          |
|                                | U.S.A. OSHA PEL | 15 mg/m <sup>3</sup>                   | Not established                          |
|                                | Canada AB       | 10 mg/m <sup>3</sup>                   | Not established                          |
|                                | Canada BC       | 10 mg/m <sup>3</sup>                   | Not established                          |
|                                | Canada ON       | 10 mg/m <sup>3</sup>                   | Not established                          |
|                                | Canada QC       | 10 mg/m <sup>3</sup>                   | Not established                          |

a) Respirable airborne particles

*Section continued on the next page*

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*Continued...*

| <b>Chemical Name</b> | <b>Country</b>  | <b>Long Term Exposure Limits (PEL)</b> | <b>Short Term Exposure Limits (STEL)</b> |
|----------------------|-----------------|--|--|
| methyl methacrylate  | ACGIH           | 50 ppm (S)                             | 100 ppm                                  |
|                      | U.S.A. OSHA PEL | 100 ppm                                | Not established                          |
|                      | Canada AB       | 50 ppm                                 | 100 ppm                                  |
|                      | Canada BC       | 50 ppm (S)                             | 100 ppm                                  |
|                      | Canada ON       | 50 ppm                                 | 100 ppm                                  |
|                      | Canada QC       | 100 ppm                                | Not established                          |
| n-butyl methacrylate | ACGIH           | Not established                        | Not established                          |
|                      | U.S.A. OSHA PEL | Not established                        | Not established                          |
|                      | Canada AB       | Not established                        | Not established                          |
|                      | Canada BC       | 50 ppm                                 | Not established                          |
|                      | Canada ON       | Not established                        | Not established                          |
|                      | Canada QC       | Not established                        | Not established                          |

*Note:* The ACGIH<sup>1</sup>, OSHA (Table Z-1), and Canadian provinces exposure limits were consulted. Limits from the RTECS database<sup>2</sup> and from suppliers' SDS were also consulted. Short term exposure limits (STEL) are for 15 min and long term permissible exposure limits (PEL) for 8 h.

S—Sensitizer (S)

**Engineering Controls**
**Ventilation**

Keep airborne concentrations below the occupational exposure limits (OEL).

Because the carbon black and titanium dioxide are bound to the liquid mixture, it does not present an airborne hazard under normal use. Ensure adequate ventilation if the product is mechanically misted or aerosolized.

**Personal Protective Equipment**
**Eye protection**

Wear appropriate protective eyeglasses or chemical safety goggles.

**RECOMMENDATION:** Use safety glasses with lateral protection (side shields).

**Skin Protection**

For likely contacts, use of protective butyl rubber, neoprene, or other chemically resistant gloves.

For incidental contacts, use nitrile, polyvinyl alcohol (PVA) or other chemically resistant gloves.

*Section continued on the next page*



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**Respiratory Protection** For over-exposures up to 10 x OEL of vapors, wear respirator such as a half-mask respirator with organic vapor cartridges.

Above 10 x OEL, use a positive-pressure, air-supplied respirator or a self-contained breathing apparatus.

**RECOMMENDATION:** Consult your local safety supply store to ensure that your respirator has a NIOSH (U.S.) approved filter cartridges appropriate for the ingredients listed in Section 3. The respirator should be fitted to the employee by a professional. Ensure vapor cartridges are stored in sealed plastic bags when not being used.

**General Hygiene Considerations**

Wash hands thoroughly with water and soap after handling.

**Section 9: Physical and Chemical Properties**

|  |                     |  |                        |
|--|---------------------|--|------------------------|
| <b>Physical State</b>                      | Liquid              | <b>Lower Flammability Limit</b> <sup>c)</sup>  | 1.8%                   |
| <b>Appearance</b>                          | Green               | <b>Upper Flammability Limit</b> <sup>c)</sup>  | 9.0%                   |
| <b>Odor</b>                                | Fruity              | <b>Vapor Pressure @20 °C</b> <sup>c)</sup>     | 40 hPa<br>[31 mmHg]    |
| <b>Odor Threshold</b>                      | 0.007 ppm           | <b>Vapor Density</b>                           | >2.5<br>(Air =1)       |
| <b>pH</b>                                  | Not available       | <b>Relative Density @25 °C</b>                 | 0.93                   |
| <b>Freezing/Melting Point</b>              | Not available       | <b>Solubility in Water</b>                     | Slightly soluble       |
| <b>Initial Boiling Point</b> <sup>a)</sup> | ≥80 °C<br>[≥176 °F] | <b>Partition Coefficient n-octanol/water</b>   | Not available          |
| <b>Flash Point</b> <sup>a), b)</sup>       | -3 °C<br>[26.6 °F]  | <b>Auto-ignition Temperature</b> <sup>d)</sup> | ≥315 °C<br>[≥599 °F]   |
| <b>Evaporation Rate</b>                    | <1<br>(ButAc = 1)   | <b>Decomposition Temperature</b>               | Not available          |
| <b>Flammability</b>                        | Highly flammable    | <b>Viscosity @25 °C</b>                        | 110 mm <sup>2</sup> /s |

a) Values based on butan-2-one component.

b) Pensky-Martens closed cup

c) Calculated based on components.

d) Values based on 1-methoxy-2-propanol acetate, which is the component with the lowest auto-ignition value.

**OVERCOAT PEN—GREEN**
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**Section 10: Stability and Reactivity**

|                            |  |
|----------------------------|--|
| <b>Reactivity</b>          | Not available  |
| <b>Chemical Stability</b>  | Chemically stable at normal temperatures and pressures.  |
| <b>Conditions to Avoid</b> | Ignition sources, excessive heat, and incompatible substances.   |
| <b>Incompatibilities</b>   | Strong oxidizing agents, strong acids  |
| <b>Polymerization</b>      | Will not occur   |
| <b>Decomposition</b>       | Will not decompose under normal conditions. For thermal decomposition, see combustion products in Section 5. |

**Section 11: Toxicological Information**
**Summary of Effects and Symptoms by Routes of Exposure**

|                   |  |
|-------------------|--|
| <b>Eyes</b>       | Causes redness, severe irritation, or pain.  |
| <b>Skin</b>       | Cause skin redness, irritation, dry skin, and rashes.  |
| <b>Inhalation</b> | May cause dizziness, drowsiness, cough, headaches, or nausea.  |
| <b>Ingestion</b>  | May cause nausea, sore throat, diarrhea, or vomiting.  |
| <b>Chronic</b>    | Prolonged or repeated exposure may cause skin dryness, cracking, as well as defatting the skin. May also cause skin allergies. |

**Acute Toxicity (Lethal Exposure Concentrations)**

| <b>Chemical Name</b>         | <b>LD50 oral</b>     | <b>LD50 dermal</b>      | <b>LC50 inhalation</b>              |
|------------------------------|----------------------|-------------------------|-------------------------------------|
| n-butyl acetate              | >10 768 mg/kg<br>Rat | >17 600 mg/kg<br>Rabbit | 390 ppm<br>4 h Rat                  |
| butan-2-one                  | 2 737 mg/kg<br>Rat   | 6 480 mg/kg<br>Rabbit   | 23 500 mg/m <sup>3</sup><br>8 h Rat |
| 1-methoxy-2-propanol acetate | 8 532 mg/kg<br>Rat   | >5 g/kg<br>Rabbit       | Not available                       |
| carbon black                 | >15 g/kg<br>Rat      | >3 g/kg<br>Rabbit       | Not available                       |

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*Continued...*

| <b>Chemical Name</b> | <b>LD50 oral</b>    | <b>LD50 dermal</b>      | <b>LC50 inhalation</b>              |
|----------------------|---------------------|-------------------------|-------------------------------------|
| Stoddard solvent     | >5 000 mg/kg<br>Rat | >3 000 mg/kg<br>Rat     | 14 000 ppm<br>8 h Rat               |
| titanium dioxide     | 60 g/kg<br>Rat      | Not available           | Not available                       |
| methyl methacrylate  | 7 872 mg/kg<br>Rat  | >5 000 mg/kg<br>Rabbit  | 78 000 mg/m <sup>3</sup><br>4 h Rat |
| n-butyl methacrylate | 16 000 mg/kg<br>Rat | 113 000 µL/kg<br>Rabbit | 29.8 mg/L<br>4 h Rat                |

*Note:* Toxicity data from the RTECS<sup>2</sup> and ECHA were consulted. The data from supplier SDS were also consulted.

**Other Toxicological Effects**
**Skin corrosion/irritation**

Based on available data, the classification criteria are not met.

**Serious eye damage/irritation**

Butan-2-one is a known serious eye irritant.

**Sensitization**  
(allergic reactions)

The methyl methacrylate and n-butyl methacrylate may cause skin sensitization according to animal studies.

*Section continued on the next page*

**OVERCOAT PEN—GREEN****419D-P-GR****Carcinogenicity**  
(risk of cancer)

Because the carbon black and titanium dioxide are bound in the liquid mixture, it is not available as an airborne hazard (dust) under normal use.

**Carbon Black [1333-86-4]**

IARC Group 2B: Possibly carcinogenic to humans

ACGIH A4: Not classified as a human carcinogen

CA Prop 65: Listed as a carcinogen (airborne, as unbound particles of respirable size)

NTP: Not listed

**Titanium Dioxide [13463-67-7]**

IARC Group 2B: Possibly carcinogenic to humans

ACGIH A4: Not classified as a human carcinogen

CA Prop 65: Listed as a carcinogen (airborne, as unbound particles of respirable size)

NTP: Not listed

**Mutagenicity**  
(risk of heritable genetic effects)

Based on available data, the classification criteria are not met.

**Reproductive Toxicity** (risk to sex functions)

Based on available data, the classification criteria are not met.

**Teratogenicity**  
(risk of fetus malformation)

Based on available data, the classification criteria are not met.

**STOT-single exposure**

The n-butyl acetate, butan-2-one, Stoddard solvent, methyl methacrylate, and n-butyl methacrylate components can affect the central nervous system by inhalation causing drowsiness or dizziness.

**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met. Contains less than 10% components of category 1, and the mixture has a kinematic viscosity of  $>20.5 \text{ mm}^2/\text{s}$  at 40 °C.

**OVERCOAT PEN—GREEN****419D-P-GR****Section 12: Ecological Information**

Ecological classifications are based on the IMDG/GHS criteria in conjunction with ecotoxicological data from our suppliers, the European Chemical Agency database (<http://echa.europa.eu>), and other reliable sources.

The n-butyl acetate ingredient is an acute category 3 environmental toxicant (biodegradable, with minimal LC50 of 18 mg/L for fathead minnow).

The 2-butanone (MEK) ingredient is not classified as an environmental hazard according to GHS criteria.

The 1-methoxy-2-propanol acetate component is an acute category 3 environmental toxicant (with minimal LC50 96 h of  $\geq 100$  mg/L *Salmo gairdneri*).

Based on available data, carbon black and titanium dioxide are not classified as environmental hazards according to GHS criteria.

The Stoddard solvent is a chronic category 2 environmental toxicant.

**Acute Ecotoxicity**

Category 3

Harmful to aquatic life

Avoid release to the environment.

**Chronic Ecotoxicity**

Available toxicity data does not meet classification thresholds.

**Biodegradability**

Expected to be biodegradable. The volatile solvent constituents will oxidize rapidly in air by photochemical reaction.

**Other Effects**

Regulated Volatile Organic Compounds (VOC) content according to the US (EPA) and Canadian (CEPA) authorities.

VOC = 73% [678 g/L]

**Section 13: Disposal Information**

Dispose of contents in accordance with all local, regional, national, and international regulations.

**OVERCOAT PEN—GREEN**

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**Section 14: Transport Information**

**Refer to TDG regulations** (Canadian Transportation of Dangerous Goods regulations);  
**USA DOT 49 CFR** (Parts 100 to 185) **Regulations.**

Sizes 30 mL and under

*419D-P-GR*

**Excepted Quantity**

Code **E2**



**Air**

**Refer to ICAO-IATA Dangerous Goods Regulations.**

Sizes 30 mL and under

*419D-P-GR*

**Excepted Quantity**

Code **E2**

On air waybill, write:  
 "Dangerous Goods in  
 Excepted Quantities".



*FOR REFERENCE ONLY*

**UN number:** UN1263

**Shipping Name:** PAINT

**Class:** 3

**Packing Group:** II

**Marine Pollutant:** No

**Sea**

**Refer to IMDG regulations.**

Sizes 30 mL and under

*419D-P-GR*

**Excepted Quantity**

Code **E2**

In transport document,  
 write:

"Dangerous Goods in  
 Excepted Quantities".



*FOR REFERENCE ONLY*

**UN number:** UN1263

**Shipping Name:** PAINT

**Class:** 3

**Packing Group:** II

**Marine Pollutant:** No

**Note: Shipper must be appropriately trained and certified before involvement with the transport of dangerous goods.**

**OVERCOAT PEN—GREEN**
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**Section 15: Regulatory Information**
**Canada**
**Domestic Substance List (DSL) / Non-Domestic Substance Lists (NDSL)**

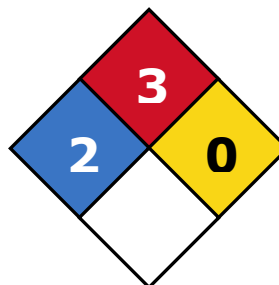
All hazardous ingredients are listed on the DSL/NDSL.

**Hazardous Products Act (R.S.C., 1985, c. H-3)**

The safety data sheet and label comply with the Hazardous Product Act and WHMIS 2015.

**USA**
**Other Classifications**
**HMIS® RATING**

|                             |          |          |
|-----------------------------|----------|----------|
| <b>HEALTH:</b>              | <b>*</b> | <b>2</b> |
| <b>FLAMMABILITY:</b>        |          | <b>3</b> |
| <b>PHYSICAL HAZARD:</b>     |          | <b>0</b> |
| <b>PERSONAL PROTECTION:</b> |          |          |

**NFPA® 704 CODES**


*Approximate HMIS and NFPA Risk Ratings Legend:*

0 (Low or none); 1 (Slight); 2 (Moderate); 3 (Serious); 4 (Severe)

**CAA** (Clean Air Act, USA)

This product does not contain any class 1 ozone depleting substances.

This product does not contain any class 2 ozone depleting substances.

This product does not contain substances that are listed as hazardous air pollutants.

**EPCRA** (Emergency Planning and Right to Know Act, USA, 40 CFR 372.45)

This product contains n-butyl acetate (CAS# 123-86-4) and butan-2-one (CAS# 78-93-3), which can be subject to the CERCLA reporting requirements at a threshold of 5 000 lb (2 268 kg).

This product contains methyl methacrylate (CAS# 80-62-6), which can be subject to the CERCLA reporting requirements at a threshold of 1 000 lb (454 kg).

**TSCA** (Toxic Substances Control Act of 1976, USA)

All substances are TSCA listed.

*Section continued on the next page*

**OVERCOAT PEN—GREEN****419D-P-GR****California Proposition 65** (Chemicals known to cause cancer or reproductive toxicity)

This product contains titanium dioxide and carbon black, but they are bound and exposures during normal conditions of uses are below the Safe Harbor Threshold.

**Europe****RoHS** (Restriction of Hazardous Substances Directive)

This product does not contain any lead, cadmium, mercury, hexavalent chromium, PBB's, PBDE's, DEHP, BBP, DBP, or DIBP and complies with European RoHS regulations.

**WEEE** (Waste Electrical and Electronic Equipment Directive)

This product is not a piece of electrical or electronics equipment and is therefore not governed by this regulation.

**Section 16: Other Information**

|                            |   |
|----------------------------|---|
| <b>Prepared by the</b>     | Regulatory Affairs Department                           |
| <b>Date of Revision</b>    | 27 February 2020  |
| <b>Supersedes</b>          | 07 November 2018  |
| <b>Reason for Changes:</b> | Update to emergency phone numbers and general revision. |

**References**

- 1) ACGIH 2017 TLVs and BEIs: Based on the documentation of the threshold limit values for chemical substances and physical agents & biological exposure indices, American Conference of Governmental of Industrial Hygienist Cincinnati, OH (2017).
- 2) All toxicological data were checked against the RTECS (Registry of Toxic Effects of Chemical Substances®), MDL Information Systems, Inc.

**Abbreviations**

|       |   |
|-------|---|
| ACGIH | American Conference of Governmental Industrial Hygienists (USA)       |
| EC50  | Half maximal effective concentration                                  |
| EL50  | Half maximal effective loading  |
| NOELR | No observable effect loading ratio                                    |
| GHS   | Globally Harmonized System of Classification of Labeling of Chemicals |
| LC50  | Lethal Concentration 50%  |
| LCLo  | Lowest published lethal concentration                                 |
| LD50  | Lethal Dose 50%   |
| PEL   | Permissible Exposure Limit  |
| STEL  | Short-Term Exposure Limit   |
| TCLo  | Lowest published toxic concentration                                  |
| TWA   | Time Weighted Average   |
| VOC   | Volatile Organic Content  |

*Section continued on the next page*



**OVERCOAT PEN—GREEN****419D-P-GR**

**Technical Queries** Contact us regarding any questions, improvement suggestions, or problems with this product. Application notes, instructions, and FAQs are located at [www.mgchemicals.com](http://www.mgchemicals.com).

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