## Material Safety Data Sheet

### Section 1 - Product Identification

**The Sherwin-Williams Company**

Krylon Products Group

101 Prospect Avenue N.W.

Cleveland, OH 44115

Emergency telephone numbers (216) 566-2917 United States

Information telephone number (800) 251-2486

July 24, 2000


### Section 2 - Hazardous Ingredients (percent by weight)

| CAS No. | Hazardous Ingredients | ACGIH TLV <STEL> | OSHA PEL <STEL> | Units | Vapor Pressure (mm Hg) | S04101 Flat White | S04102 Flat Black | S04103 Red | S04104 Yellow | S04105 Blue | S04106 Green | S04107 Orange | S04108 Brown |
|----------|-----------------------|------------------|-----------------|-------|------------------------|-------------------|------------------|-------------|---------------|-------------|-------------|-------------|-------------|-------------|
| 74-98-6  | Propane               | 2500             | 1000            | PPM   | 760.0                  | 14                | 14               | 14          | 14            | 14          | 14          | 14          | 14          |
| 106-97-8 | Butane                | 800              | 800             | PPM   | 760.0                  | 13                | 13               | 13          | 13            | 13          | 13          | 13          | 13          |
| 100-41-4 | Ethylbenzene          | 100              | 100             | PPM   | 7.1                    | 3                 | 2                | 3           | 3             | 4           | 3           | 3           | 3           |
| 1330-20-7| Xylene.               | 100              | 100             | PPM   | 5.9                    | 15                | 13               | 18          | 19            | 23          | 18          | 18          | 18          |
| 67-64-1  | Acetone.              | 500              | 1000            | PPM   | 180.0                  | 42                | 47               | 39          | 37            | 26          | 39          | 39          | 39          |
| 14807-96-6| Talc                  | 2                | 2               | Mg/M3 | as Resp. Dust          | 4                 | 4                |             |               |             |             |             |             |
| 471-34-1 | Calcium Carbonate.    | 10               | 15<sup>5</sup>  | Mg/M3 | as Dust                | 1                 |                  |             |               |             |             |             |             |
| 13463-67-7| Titanium Dioxide.    | 10               | 10<sup>5</sup>  | Mg/M3 | as Resp. Fraction      | 3                 | 2                | 3           |               |             |             |             |             |
| 1333-86-4| Carbon Black.         | 3.5              | 3.5             | Mg/M3 | 0.2                    |                   |                   |             |               |             |             |             |             |

### Section 2 - Other Information

- Weight per Gallon (lbs.): 6.33, 6.17, 6.13, 6.22, 6.38, 6.16, 6.11, 6.16
- VOC Less Federally Exempt Solvents - (percent by weight): 44.4, 43.2, 49.1, 49.6, 54.8, 48.7, 48.6, 48.8
- Flash Point (°F): < 0, < 0, < 0, < 0, < 0, < 0, < 0, < 0
- HMIS (NFPA) Rating (health - flammability - reactivity): 2 - 4 - 0, 2* - 4 - 0, 2 - 4 - 0, 2 - 4 - 0, 2 - 4 - 0, 2 - 4 - 0, 2 - 4 - 0, 2* - 4 - 0

<sup>$</sup> Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C
Section 3 — Physical Data

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Weight</td>
<td>See Table</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.73-0.79</td>
</tr>
<tr>
<td>Boiling Points</td>
<td>&lt;0 - 393 °F</td>
</tr>
<tr>
<td>Volatilization</td>
<td>87-95%</td>
</tr>
<tr>
<td>Flash Point</td>
<td>See Table</td>
</tr>
<tr>
<td>Extinguishing Media</td>
<td>Carbon Dioxide, Dry Chemical, Foam</td>
</tr>
</tbody>
</table>

Section 4 — Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
<td>LEL 1.0</td>
</tr>
<tr>
<td>Extinguishing Media</td>
<td>Carbon Dioxide, Dry Chemical, Foam</td>
</tr>
</tbody>
</table>

UNUSUAL FIRE AND EXPLOSION HAZARDS
Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

Section 5 — Health Hazard Data

Routes of exposure may be by inhalation and/or skin or eye contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE HEALTH HAZARDS
EFFECTS OF OVEREXPOSURE
Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE
Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness or itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.157, 1910.158.

Respiratory protection
If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

Protective gloves
None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

Eye protection
Wear safety spectacles with unperforated sideshields.

Section 6 — Reactivity Data

Stability
Stable

Conditions to avoid
None known.

Incompatibility
None known.

Hazardous Decomposition Products
By fire: Carbon Dioxide, Carbon Monoxide, Oxides of Metals in Section 2

Hazardous Polymerization
Will Not Occur

Section 7 — Spill or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition. Ventilate and remove with inert absorbent.

Waste Disposal Method
Waste from these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Waste from products containing Barium must also be tested for extractability.

Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section 8 — Protection Information

PRECAUTIONS TO BE TAKEN IN USE
Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

These products may contain materials classified as nuisance particulates (listed “as Dust” in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m3 (total dust), 3 mg./m3 (respirable fraction), OSHA PEL 15 mg./m3 (total dust), 5 mg./m3 (respirable fraction).

Ventilation
Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.157, 1910.158.

Respiratory Protection
If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

Protective Gloves
None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

Eye Protection
Wear safety spectacles with unperforated sideshields.

Section 9 — Precautions

DOL Storage Category — IA
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120°F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause containers to burst. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS
Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section 10 — Other Regulatory Information

CALIFORNIA PROPOSITION 65
WARNING: These products contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA Certification
All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.
--- Section 1 ---

**Product Identification**

The Sherwin-Williams Company  
Krylon Products Group  
101 Prospect Avenue N.W.  
Cleveland, OH 44115  
July 24, 2000

--- Section 2 ---

**Hazardous Ingredients (percent by weight)**

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Hazardous Ingredients</th>
<th>ACGIH TLV &lt;STEL&gt;</th>
<th>OSHA PEL &lt;STEL&gt;</th>
<th>Units</th>
<th>Vapor Pressure (mm Hg)</th>
<th>S04109</th>
<th>S04110</th>
<th>S04113</th>
<th>S04114</th>
<th>S04115</th>
<th>S04116</th>
<th>S04120</th>
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<tbody>
<tr>
<td>74-98-6</td>
<td>Propane</td>
<td></td>
<td></td>
<td>PPM</td>
<td>760.0</td>
<td>14</td>
<td>16</td>
<td>14</td>
<td>14</td>
<td>14</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>106-97-8</td>
<td>Butane</td>
<td>800</td>
<td>800</td>
<td>PPM</td>
<td>760.0</td>
<td>13</td>
<td>16</td>
<td>13</td>
<td>13</td>
<td>13</td>
<td>13</td>
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<tr>
<td>64742-88-7</td>
<td>Mineral Spirits.</td>
<td>100</td>
<td>100</td>
<td>PPM</td>
<td>2.0</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>108-88-3</td>
<td>Toluene.</td>
<td>50</td>
<td>100</td>
<td>PPM</td>
<td>22.0</td>
<td>3</td>
<td>37</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>100-41-4</td>
<td>Ethylbenzene</td>
<td>100</td>
<td>100</td>
<td>PPM</td>
<td>7.1</td>
<td>3</td>
<td>3</td>
<td>3</td>
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<td>3</td>
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<tr>
<td>1330-20-7</td>
<td>Xylene.</td>
<td>100</td>
<td>100</td>
<td>PPM</td>
<td>5.9</td>
<td>20</td>
<td>4</td>
<td>16</td>
<td>15</td>
<td>16</td>
<td>19</td>
<td>18</td>
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<tr>
<td>67-64-1</td>
<td>Acetone.</td>
<td>500</td>
<td>1000</td>
<td>PPM</td>
<td>180.0</td>
<td>27</td>
<td>5</td>
<td>39</td>
<td>47</td>
<td>42</td>
<td>39</td>
<td>30</td>
</tr>
<tr>
<td>14807-96-6</td>
<td>Talc</td>
<td>2</td>
<td>2</td>
<td>Mg/M3</td>
<td>as Resp. Dust</td>
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<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>7727-43-7</td>
<td>Barium Sulfate.</td>
<td>10</td>
<td>10[5]</td>
<td>Mg/M3</td>
<td>as Dust [Resp. Fraction]</td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>13463-67-7</td>
<td>Titanium Dioxide.</td>
<td>10</td>
<td>10[5]</td>
<td>Mg/M3</td>
<td>as Dust [Resp. Fraction]</td>
<td>5</td>
<td>6</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>1333-86-4</td>
<td>Carbon Black.</td>
<td>3.5</td>
<td>3.5</td>
<td>Mg/M3</td>
<td></td>
<td>0.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| [% Barium] | [3.0] |

<table>
<thead>
<tr>
<th>Weight per Gallon (lbs.)</th>
<th>6.44</th>
<th>6.25</th>
<th>6.34</th>
<th>6.03</th>
<th>6.19</th>
<th>6.12</th>
<th>6.59</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voc Less Federally Exempt Solvents - (percent by weight)</td>
<td>53.6</td>
<td>75.3</td>
<td>45.8</td>
<td>44.7</td>
<td>46.5</td>
<td>49.9</td>
<td>50.5</td>
</tr>
<tr>
<td>Flash Point (°F)</td>
<td>&lt; 0</td>
<td>&lt; 0</td>
<td>&lt; 0</td>
<td>&lt; 0</td>
<td>&lt; 0</td>
<td>&lt; 0</td>
<td>&lt; 0</td>
</tr>
<tr>
<td>HMIS (NFPA) Rating</td>
<td>2 - 4 - 0</td>
<td>2 - 4 - 1</td>
<td>2 - 4 - 0</td>
<td>2* - 4 - 0</td>
<td>2 - 4 - 0</td>
<td>2 - 4 - 0</td>
<td>2 - 4 - 0</td>
</tr>
</tbody>
</table>

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C
Section 3 — Physical Data

<table>
<thead>
<tr>
<th>PRODUCT WEIGHT</th>
<th>See TABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>0.73-0.75</td>
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<tr>
<td>BOILING RANGE</td>
<td>&lt;0 - 395 °F</td>
</tr>
<tr>
<td>VOLATILE VOLUME</td>
<td>87-95 %</td>
</tr>
</tbody>
</table>

Section 4 — Fire And Explosion Hazard Data

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLASH POINT</td>
<td>See TABLE</td>
</tr>
<tr>
<td>LEL</td>
<td>1.0</td>
</tr>
<tr>
<td>UEL</td>
<td>12.8</td>
</tr>
</tbody>
</table>

Section 5 — Health Hazard Data

ACUTE Health Hazards
- Signs and symptoms of overexposure: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness or itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
- None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES
- If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
- If on SKIN: Wash affected area thoroughly with soap and water.
- If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
- If SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING.

CHRONIC Health Hazards
- Carbon Black is classified by IARC as possibly carcinogenic to humans (Group 2B) based on experimental animals data, however, there is inadequate evidence in humans for its carcinogenicity.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
- Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.
- During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

PRECAUTIONS TO BE TAKEN IN USE
- Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

PRECAUTIONS TO BE TAKEN IN DISPOSAL
- Waste from these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Waste from products containing Barium must also be tested for extractability.

Section 6 — Reactivity Data

STABILITY — Stable

CONDITIONS TO AVOID — None known.

HAZARDOUS DECOMPOSITION PRODUCTS — By fire: Carbon Dioxide, Carbon Monoxide, Oxides of Metals in Section 2

HAZARDOUS POLYMERIZATION — Will Not Occur

Section 7 — Spill Or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
- Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD
- Waste from these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Waste from products containing Barium must also be tested for extractability.

Section 8 — Protection Information

POTENTIAL HAZARDS TO BE AVOIDED
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VENTILATION
- Local exhaust preferred. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.179, 1910.182.

RESPIRATORY PROTECTION
- If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.
- When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES
- None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

EYE PROTECTION
- Wear safety spectacles with unperforated sideshields.

Section 9 — Precautions

DOL STORAGE CATEGORY — 1A

POTENTIAL HAZARDS TO BE AVOIDED
- Keep out of the reach of children.
- Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section 10 — Other Regulatory Information

CALIFORNIA PROPOSITION 65
- WARNING: These products contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION
- All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.