# MATERIAL SAFETY DATA SHEET

## THE SHERWIN - WILLIAMS CO.
101 PROSPECT AVE. N.W.
CLEVELAND, OH 44115

EMERGENCY TELEPHONE NO. (216) 566-2917

INFORMATION TELEPHONE NO. (216) 566-2902

## DATE OF PREPARATION
1-NOV-95


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### Alkyd Special Purpose Coatings

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>HAZARDOUS INGREDIENT (percent by weight)</th>
<th>ACGIH TLY</th>
<th>OSHA PEL</th>
<th>Units</th>
<th>Vapor Pressure (mm Hg)</th>
<th>Control Rust® All Surface Enamel</th>
<th>Polyurethane Floor Enamel</th>
<th>Promar® Bronzitone V/E</th>
<th>Masonry Conditioner (VOC)</th>
<th>Concrete &amp; Terrazo Sealer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1308-98-9</td>
<td>Chromium Oxide [% Chromium]</td>
<td>0.5</td>
<td>0.5</td>
<td>Mg/M3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>1333-66-4</td>
<td>Carbon Black</td>
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<td>3.5</td>
<td>Mg/M3</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>13463-67-7</td>
<td>Titanium Dioxide</td>
<td>10</td>
<td>10</td>
<td>Mg/M3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14806-60-7</td>
<td>Quartz</td>
<td>0.1</td>
<td>0.1</td>
<td>Mg/M3</td>
<td></td>
<td>as Resp. Dust</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>14807-96-6</td>
<td>Talc</td>
<td>2</td>
<td>2</td>
<td>Mg/M3</td>
<td></td>
<td>as Resp. Dust</td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>471-34-1</td>
<td>Calcium Carbonate</td>
<td>10</td>
<td>15(5)</td>
<td>[Resp. Fraction]</td>
<td></td>
<td>as Dust</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1330-20-7</td>
<td>Xylenes</td>
<td>100</td>
<td>100</td>
<td>&lt;STEL&gt;</td>
<td>PPM</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>100-41-4</td>
<td>Ethylbenzene</td>
<td>100</td>
<td>100</td>
<td>&lt;STEL&gt;</td>
<td>PPM</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>64742-88-7</td>
<td>Mineral Spirits 140-Flash</td>
<td>100</td>
<td>100</td>
<td>&lt;STEL&gt;</td>
<td>PPM</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>64742-88-7</td>
<td>Mineral Spirits 140-Flash</td>
<td>100</td>
<td>100</td>
<td>&lt;STEL&gt;</td>
<td>PPM</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>107-21-1</td>
<td>Ethylene Glycol</td>
<td>C 50</td>
<td>C 50</td>
<td>PPM</td>
<td>0.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Notes

- Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

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### Control Rust® All Surface Enamel

- KB B 3: Gloss Black
- KB B 14: Black
- KB E 6: Gloss Orange
- KB G 6: Gloss Green
- KB L 8: Gloss Blue

### Polyurethane Floor Enamel

- KB R 9: Gloss Red
- KB W 10: Gloss White
- KB W 15: Wil Fi White
- KB Y 14: Gloss Yellow
- KB N 8: Gloss Brown

### Promar® Bronzitone V/E

- A33 A 34: Light Gray
- A33 A 37: Medium Gray
- A33 A 46: Dark Gray
- A33 N 66: Walnut
- A33 R 85: Tile Red
- A33 W 82: White
- B34 T 114: Ultradeep
- B39 T 104: Ultradeep

### Masonry Conditioner (VOC)

- A 5 V2 Clear
- B46 W Z1000
- B44V22

### Concrete & Terrazo Sealer

- Less than 5% may be added due to tinting

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### Toxicological Information

- Volatile Organic Compounds (VOC - lbs/gal)
- Photochemically Reactive
- Flash Point (°F)
- DOL Storage Category
- Flammability Classification (Flammable - Combustible)
- HMF (NFPA) Rating (health - flammability - reactivity)

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### Additional Information

- Weight per Gallon (lbs.)
- 7.70-11.55
- 8.43-6.51
- 9.19
- 7.19
- 11.15
- 7.47

- 3.20-4.02
- 3.51-3.94
- 3.49
- 4.02
- 2.84
- 6.12

- Yes

- 10

- Flam.
Alkyd Special Purpose Coatings

Section III — PHYSICAL DATA

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>MEASURED</th>
<th>MILLION °F</th>
<th>VAPOR DENSITY</th>
<th>HUMIDITY</th>
<th>RELATIVE</th>
<th>SOLUBILITY IN WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVAPORATION RATE</td>
<td>Slower than Other</td>
<td>0.87-1.39</td>
<td>Heavier than Air</td>
<td>N.A.</td>
<td></td>
<td>N.A.</td>
</tr>
<tr>
<td>VOLATILE VOLUME</td>
<td>45-65 %</td>
<td></td>
<td></td>
<td></td>
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</table>

Section IV — FIRE AND EXPLOSION HAZARD DATA

<table>
<thead>
<tr>
<th>CLASSIFICATION</th>
<th>FLASH POINT</th>
<th>LEL</th>
<th>OEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAMMABILITY</td>
<td>See Table</td>
<td>0.9</td>
<td>7.0</td>
</tr>
<tr>
<td>EXPLOSIBILITY</td>
<td>See Table</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flames. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overspray to decomposition products may cause a health hazard. Symptoms may be immediately apparent. Obtain medical attention.

Special Fire Fighting Procedures

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V — HEALTH HAZARD DATA

<table>
<thead>
<tr>
<th>ROUTE OF EXPOSURE</th>
<th>EFFECTS OF OVEREXPOSURE</th>
<th>MEDICAL CONDITIONS AGRAGATED BY EXPOSURE</th>
<th>PREVENTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td>Irritation of eyes, skin and respiratory system. May cause nervous system depression. Exposure over a long period may result in unconsciousness and possible death.</td>
<td>None generally recognized.</td>
<td>AVOID INHALATION.</td>
</tr>
</tbody>
</table>
### PROMAR® 200 Alkyd Interior Finishes

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>HAZARDOUS INGREDIENT</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>Units</th>
<th>Vapor Pressure (mm Hg)</th>
<th>FLAT</th>
<th>ENAMEL UNDERCOATER</th>
</tr>
</thead>
<tbody>
<tr>
<td>107-21-1</td>
<td>Ethylene Glycol</td>
<td>C 50</td>
<td>C 50</td>
<td>PPM</td>
<td>0.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>84742-88-7</td>
<td>Mineral Spirits</td>
<td>100</td>
<td>100</td>
<td>PPM</td>
<td>2.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1530-58-7</td>
<td>Kaolin</td>
<td>2</td>
<td>5</td>
<td>Mg/M3</td>
<td>as Resp. Dust</td>
<td>30</td>
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<tr>
<td>14807-90-5</td>
<td>Talc</td>
<td>2</td>
<td>2</td>
<td>Mg/M3</td>
<td>as Resp. Dust</td>
<td>32-35</td>
<td></td>
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<tr>
<td>12001-26-2</td>
<td>Mica</td>
<td>3</td>
<td>3</td>
<td>Mg/M3</td>
<td>as Resp. Dust</td>
<td>40</td>
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<tr>
<td>471-94-1</td>
<td>Calcium Carbonate</td>
<td>10</td>
<td>10</td>
<td>Mg/M3</td>
<td>as Dust</td>
<td>18</td>
<td></td>
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<tr>
<td>13449-87-7</td>
<td>Titanium Dioxide</td>
<td>10</td>
<td>10</td>
<td>Mg/M3</td>
<td>as Dust</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

| | | | | | | | |
| Weight per Gallon (lbs.) | 11.63 | 9.89-10.89 | 8.86-10.41 | 8.97-9.73 | 11.84 | |
| Photochemically Reactive | No | No | No | No | No | |
| Flash Point (°F) | 104 | 102 | 100 | 102 | 105 | |
| DOL Storage Category | 2 | 2 | 2 | 2 | 2 | |
| Flammability Classification (Flammable - Combustible) | Combustible | Combustible | Combustible | Combustible | Combustible | |
| HMIS (NFPA) Rating (health - flammability - reactivity) | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | |

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Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: FLASH POINT: See Table

See Table

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam

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

SPECIAL FIRE FIGHTING PROCEDURES: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V — HEALTH HAZARD DATA

ROUTES OF EXPOSURE: Inhalation, skin, and eye contact.

EXPOSURE LIMITS: OSHA PEL 15 mg/m3 (total dust), NIOSH REL 5 mg/m3 (respirable fraction).

SPECIAL HAZARDS TO FIRE FIGHTERS: May be toxic by inhalation. May be irritating to skin and eyes. Use approved respiratory protection equipment.

Section VI — REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: None generally recognized.

HAZARDOUS DECOMPOSITION PRODUCTS: By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION: Will Not Occur

Section VII — SPILL OR LEAK PROCEEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

1. Remove all sources of ignition. Ventilate and remove with inert absorbent.

2. Waste Disposal Method: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tracked for ignitability to determine the applicable EPA hazardous waste numbers. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with federal, state, and local regulations regarding pollution.

Section VIII — PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE:

1. Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

2. These coatings may contain materials classified as nuisance particulates (listed as 'As Dust' in Section II) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section II, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m3 (total dust), 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 II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION:

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

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

PROTECTIVE GLOVES:

Gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION:

Wear safety spectacles with unpainted side shields.

Section IX — PRECAUTIONS

LEGAL STORAGE CATEGORY: See Table

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

1. Keep away from heat and open flames.


3. Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. 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 X — OTHER REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

WARNING: These products, except for A1611200, am not listed by IARC. Long-term exposure to high levels of silica dust, which can occur only when sanding or abrading the dry film, may cause lung damage (silicosis) and possibly cancer. Phenyl Epoxy Silica is considered an animal teratogen. It has been shown to cause birth defects in rats and mice at high doses when given in drinking water or by gavage. There is no evidence to indicate it causes birth defects in humans.

Prolonged exposure of solvent ingredients in Section II may cause adverse effects to the liver and urinary systems. Rates elevated to titanium dioxide dust at 250 mg/m3 developed lung cancer, however, such exposure levels are not attainable in the workplace. Reports have associated repeated and prolonged exposure to solvents with permanent brain and nervous system damage.

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CFR 1910.1200(g)(4), for similar complex mixtures. The above information pertains to these products as currently formulated, and is based on the information available at this time. Additions 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.