# MATERIAL SAFETY DATA SHEET

**THE SHERWIN-WILLIAMS CO.**

101 PROSPECT AVE. N.W.

CLEVELAND, OH 44115

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**SECTION I**  
**PRODUCT IDENTIFICATION**

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**SECTION II**  
**HAZARDOUS INGREDIENT**

<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>VM &amp; P Naphtha R1 K3</th>
<th>Mineral Spirits R1 K4</th>
<th>Exempt Xylose R4 K11</th>
<th>Secondary Butanol R6 K 19</th>
<th>Diacetone Alcohol R6 K 24</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-89-9</td>
<td>V. M. &amp; P. Naphtha</td>
<td>3CO &lt;490</td>
<td>&lt;490</td>
<td>PPM</td>
<td>12.0</td>
<td>100</td>
<td>100</td>
<td>23</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>64742-88-7</td>
<td>Mineral Spirits</td>
<td>1CO 100</td>
<td>PPM</td>
<td>2.0</td>
<td>100</td>
<td>100</td>
<td>53</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>64742-94-5</td>
<td>Medium Aromatic Hydrocarbons</td>
<td>Not Established</td>
<td>Not Established</td>
<td>PPM</td>
<td>0.1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>67-63-0</td>
<td>2-Propanol</td>
<td>4CO &lt;500</td>
<td>&lt;500</td>
<td>PPM</td>
<td>33.0</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>78-92-2</td>
<td>2-Butanol</td>
<td>1CO 100</td>
<td>PPM</td>
<td>12.0</td>
<td>Numbers in Braces Are Percent By Weight</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>123-42-2</td>
<td>Diacetone Alcohol</td>
<td>50 50</td>
<td>PPM</td>
<td>1.2</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>18</td>
</tr>
<tr>
<td>111-76-2</td>
<td>2-Butoxyethanol</td>
<td>25 25</td>
<td>PPM (Skin)</td>
<td>0.6</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>108-94-1</td>
<td>Cyclohexanone</td>
<td>25 25</td>
<td>PPM (Skin)</td>
<td>2.0</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>18</td>
<td>18</td>
</tr>
</tbody>
</table>

| Weight per Gallon (lbs.) | 6.20 | 6.35 | 6.57 | 6.69 | 7.79 |
| VOC (Volatile Organic Compounds) - lbs./gal. | 6.20 | 6.35 | 6.57 | 6.69 | 7.79 |
| Photochemically Reactive | No | No | No | No | Yes |
| Flash Point (°F) | 50 | 105 | 35 | 73 | 117 |
| DOL Storage Category | 1B | 2 | 1B | 1C | 2 |
| Flammability Classification (Flammable - Combustible) | Flammable | Combustible | Flammable | Combustible | Flammable |
| HMIS (NFPF) Rating (health - flammability - reactivity) | 2 3 0 | 2 2 0 | 3 3 0 | 2 3 0 | 1 2 0 |

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**SECTION III**  
**EMERGENCY TELEPHONE NO.**

(216) 586-2917  
**INFORMATION TELEPHONE NO.**

(216) 586-2902  
**DATE OF PREPARATION**

6 - Mar. - 96  


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**REDUCERS**

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**SOL/1**

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**MSDS Text Page Follows**

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1
**Section III — PHYSICAL DATA**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PRODUCT WEIGHT</strong></td>
<td>600 g</td>
</tr>
<tr>
<td><strong>SPECIFIC GRAVITY</strong></td>
<td>0.75-0.94</td>
</tr>
<tr>
<td><strong>BOILING RANGE</strong></td>
<td>178-235 °F</td>
</tr>
<tr>
<td><strong>VOLATILE VOLUME</strong></td>
<td>100 %</td>
</tr>
<tr>
<td><strong>EVAPORATION RATE</strong></td>
<td>Slower than Ether</td>
</tr>
<tr>
<td><strong>MELTING POINT</strong></td>
<td>N.A.</td>
</tr>
<tr>
<td><strong>SOLUBILITY IN WATER</strong></td>
<td>N.A.</td>
</tr>
</tbody>
</table>

**FLASH POINT**

See TABLE

**EXTINGUISHING MEDIA**

Carbon Dioxide, Dry Chemical, Foam

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

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 or 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**

**ROUTE OF EXPOSURE**

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. The alcohol in Me-Butanol can be absorbed through the skin. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

**ACUTE HEALTH HAZARDS**

- Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.
- VOMITING. Give several glasses of water. Seek medical attention.

**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. Remove contaminated clothing and launder before re-use.

**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. Give several glasses of water. Seek medical attention.

**CHRONIC HEALTH HAZARDS**

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Prolonged overexposure to solvent ingredients in Section III may cause adverse effects to the liver and urinary systems. Prolonged overexposure to solvent ingredients in Section III may also cause adverse effects to the blood-forming and reproductive systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

**Section VI — REACTIVITY DATA**

**STABILITY:** Stable

**CONDITIONS TO AVOID:** None known.

**INCOMPATIBILITY:** None known.

**Hazardous Decomposition Products**

By Fire: Carbon Dioxide, Carbon Monoxide

**Hazardous Polymerization**

Will Not Occur

**Section VII — 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 number.

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**

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

**VENTILATION**

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section III is maintained below applicable exposure limits. Refer to OSHA Standards 1910.100, 1910.101, 1910.108.

**Respiratory Protection**

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

**Protective Gloves**

Wear gloves which are recommended by glove supplier for protection against materials in Section III.

**Eye Protection**

Wear safety spectacles with unperforated side shields.

**Section IX — PRECAUTIONS**

**COG STORAGE CATEGORY**

See Table

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

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

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.

Keep canister closes 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.

**CAIFORNIA PROPOSITION 65**

**WARNING:** Uses Xylene contains a chemical(s) known to the State of California to cause cancer. V. N. & P. Rhothane contains chemicals know to the State of California to cause cancer and birth defects or other reproductive harm.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of additives or other coatings to these products may substantially alter the composition and hazards of the products. 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.