**Section 1 -- PRODUCT AND COMPANY IDENTIFICATION**

**PRODUCT NUMBER**

L65F1

**PRODUCT NAME**

OPEX* Production Lacquer, Flattening Agent

**MANUFACTURER’S NAME**

THE SHERWIN–WILLIAMS COMPANY

101 Prospect Avenue N.W.

Cleveland, OH 44115

**DATE OF PREPARATION**

09–MAR–06

---

**Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS**

<table>
<thead>
<tr>
<th>% by WT</th>
<th>CAS No.</th>
<th>INGREDIENT</th>
<th>UNITS</th>
<th>VAPOR PRESSURE</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>64742−89−8</td>
<td>Lt. Aliphatic Hydrocarbon Solvent</td>
<td>ACGIH TLV: 100 ppm</td>
<td>OSHA PEL: 100 ppm</td>
</tr>
<tr>
<td>5</td>
<td>64742−89−8</td>
<td>V. M. &amp; P. Naphtha</td>
<td>ACGIH TLV: 300 ppm</td>
<td>OSHA PEL: 300 ppm</td>
</tr>
<tr>
<td>10</td>
<td>108−88−3</td>
<td>Toluene</td>
<td>ACGIH TLV: 50 ppm (Skin)</td>
<td>OSHA PEL: 100 ppm (Skin)</td>
</tr>
<tr>
<td>2</td>
<td>64−17−5</td>
<td>Ethanol</td>
<td>ACGIH TLV: 1000 ppm</td>
<td>OSHA PEL: 1000 ppm</td>
</tr>
<tr>
<td>3</td>
<td>67−63−0</td>
<td>2-Propanol</td>
<td>ACGIH TLV: 400 ppm</td>
<td>ACGIH TLV: 500 ppm STEL</td>
</tr>
<tr>
<td>6</td>
<td>78−83−1</td>
<td>2-Methyl-1-propanol</td>
<td>ACGIH TLV: 50 ppm</td>
<td>OSHA PEL: 50 ppm</td>
</tr>
<tr>
<td>7</td>
<td>78−93−3</td>
<td>Methyl Ethyl Ketone</td>
<td>ACGIH TLV: 200 ppm</td>
<td>ACGIH TLV: 300 ppm STEL</td>
</tr>
<tr>
<td>11</td>
<td>110−19−0</td>
<td>Isobutyl Acetate</td>
<td>ACGIH TLV: 150 ppm</td>
<td>OSHA PEL: 150 ppm</td>
</tr>
<tr>
<td>3</td>
<td>628−63−7</td>
<td>Amyl Acetate</td>
<td>ACGIH TLV: 100 ppm</td>
<td>OSHA PEL: 100 ppm</td>
</tr>
</tbody>
</table>

Continued on page 2
11  112926-00-8  Amorphous Precipitated Silica  
ACGIH TLV  10 mg/m³ as Dust  
OSHA PEL  6 mg/m³ as Dust

Section 3 -- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE
INHALATION of vapor or spray mist.
EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE
EYES: Irritation.
SKIN: Prolonged or repeated exposure may cause irritation.
INHALATION: Irritation of the upper 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 and itching or burning sensation may indicate eye or excessive 
skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
None generally recognized.

CANCER INFORMATION
For complete discussion of toxicology data refer to Section 11.

Section 4 -- FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. 
Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing. 
Keep warm and quiet.

INGESTION: Do not induce vomiting.
Get medical attention immediately.

Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT                        LEL      UEL
62 F PMCC                      0.9     19.0

FLAMMABILITY CLASSIFICATION
RED LABEL -- Flammable, Flash below 100 F

EXTINGUISHING MEDIA
Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS
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.

Continued on page 3
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 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.
Remove with inert absorbent.

Section 7 -- HANDLING AND STORAGE

STORAGE CATEGORY
DOL Storage Class IB

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.
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 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.

Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

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

This coating 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, 1910.107, 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/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
Wear gloves which are recommended by glove supplier for protection against materials in Section 2.
EYE PROTECTION
Wear safety spectacles with unperforated sideshields.

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

Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRODUCT WEIGHT</td>
<td>8.03 lb/gal</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY</td>
<td>961 g/l</td>
</tr>
<tr>
<td>BOILING POINT</td>
<td>172 − 325 F</td>
</tr>
<tr>
<td>MELTING POINT</td>
<td>77 − 162 C</td>
</tr>
<tr>
<td>VOLATILE VOLUME</td>
<td>72 %</td>
</tr>
<tr>
<td>EVAPORATION RATE</td>
<td>Slower than ether</td>
</tr>
<tr>
<td>VAPOR DENSITY</td>
<td>Heavier than air</td>
</tr>
<tr>
<td>SOLUBILITY IN WATER</td>
<td>N.A.</td>
</tr>
<tr>
<td>VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)</td>
<td>4.83 lb/gal 579 g/l Less Water and Federally Exempt Solvents</td>
</tr>
<tr>
<td></td>
<td>4.83 lb/gal 579 g/l Emitted VOC</td>
</tr>
</tbody>
</table>

Section 10 -- STABILITY AND REACTIVITY

STABILITY -- Stable
CONDITIONS TO AVOID
None known.
INCOMPATIBILITY
None known.
HAZARDOUS DECOMPOSITION PRODUCTS
By fire: Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, possibility of Hydrogen Cyanide
HAZARDOUS POLMERIZATION
Will not occur

Section 11 -- TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS
No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Methyl Ethyl Ketone may increase the nervous system effects of other solvents.
Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, cardiovascular and reproductive systems.
Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

TOXICOLOGY DATA

Continued on page 5
<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient Name</th>
<th>LC50</th>
<th>RAT</th>
<th>4HR</th>
<th>LD50</th>
<th>RAT</th>
<th>4HR</th>
</tr>
</thead>
<tbody>
<tr>
<td>64742-89-8</td>
<td>Lt. Aliphatic Hydrocarbon Solvent</td>
<td>Not Available</td>
<td></td>
<td></td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>64742-89-8</td>
<td>V. M. &amp; P. Naphtha</td>
<td>Not Available</td>
<td></td>
<td></td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>108-88-3</td>
<td>Toluene</td>
<td></td>
<td></td>
<td>4000 ppm</td>
<td>5000 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>64-17-5</td>
<td>Ethanol</td>
<td>Not Available</td>
<td></td>
<td></td>
<td>Not Available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>67-63-0</td>
<td>2-Propanol</td>
<td>Not Available</td>
<td></td>
<td></td>
<td>7060 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>78-83-1</td>
<td>2-Methyl-1-propanol</td>
<td>Not Available</td>
<td></td>
<td></td>
<td>5045 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>78-93-3</td>
<td>Methyl Ethyl Ketone</td>
<td>Not Available</td>
<td></td>
<td></td>
<td>2460 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>110-19-0</td>
<td>Isobutyl Acetate</td>
<td>Not Available</td>
<td></td>
<td></td>
<td>2740 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>628-63-7</td>
<td>Amyl Acetate</td>
<td>Not Available</td>
<td></td>
<td></td>
<td>13400 mg/kg</td>
<td></td>
<td></td>
</tr>
<tr>
<td>112926-00-8</td>
<td>Amorphous Precipitated Silica</td>
<td>Not Available</td>
<td></td>
<td></td>
<td>6500 mg/kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section 12 -- ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION
No data available.

Section 13 -- DISPOSAL CONSIDERATIONS

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 tested 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/Provincial, and Local regulations regarding pollution.

Section 14 -- TRANSPORT INFORMATION

No data available.

Continued on page 6
Section 15 — REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>CHEMICAL/COMPOUND</th>
<th>% by WT</th>
<th>% Element</th>
</tr>
</thead>
<tbody>
<tr>
<td>108-88-3</td>
<td>Toluene</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

CALIFORNIA PROPOSITION 65
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION
All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

Section 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product 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.