

# O · P · I P · R · O · D · U · C · T · S

## MATERIAL SAFETY DATA SHEET

### SECTION I - PRODUCT IDENTIFICATION

**Product Name:** OPI Start To Finish Formaldehyde Free Formula

**Date Prepared:** 5/17/1991

**Date Revised:** 8/11/98

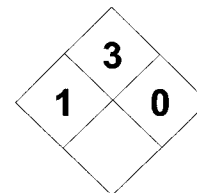
**Name of Preparer:** S.J. Sirdesai

**POISON CONTROL CENTER**  
CHEMTREC  
1-800-424-9300

HEALTH = 1  
FLAMMABILITY = 3  
REACTIVITY = 0

### SECTION II - HAZARDOUS INGREDIENTS

Chemical Name	ACGIH TLV	CAS Numbers
Ethanol	1000 ppm	64-17-5
T-Butyl Alcohol	100 ppm	75-85-0
Glyoxal	NOT LISTED	107-22-2
Heptane	400 ppm	142-82-5
Ethyl Acetate	400 ppm	141-78-6
Butyl Acetate	50 ppm	123-86-4
Isopropyl Alcohol	400 ppm	67-63-0
Polyvinyl Butyral	10 mg/m <sup>3</sup>	63148-65-2
Camphor	2 ppm	76-22-2
Toluene Sulfonamide/Epoxy Resin	Not Established to Date	None Given
Nitrocellulose	Not Established to Date	4004-70-0
Propyl Acetate	200 ppm	109-60-4



0 = MINIMAL,  
1=SLIGHT,  
2=MODERATE,  
3=SERIOUS,  
4=SEVERE

### SECTION III - REACTIVITY DATA

**Stability:** Stable

**Incompatibility:** Acids, alkalies, peroxides

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition Products:** CO, CO<sub>2</sub>, Nitrous Oxides, Smoke

### SECTION IV - HEALTH HAZARD INFORMATION

**Symptoms of Overexposure:**

**Inhaled:** May cause nose and throat irritation

**Contact with Skin or Eyes:** Eyes: May cause irritation or burning and eye injury. Skin: Repeated for prolonged liquid contact by case skin irritation with discomfort or dermatitis.

**Swallowed:** Gastro-intestinal distress; call a physician.

**Health Effects from Overexposure:**

**Acute:** Irritation, burning of eyes and skin, nervous system depression.

**Chronic:** Reports have associated repeated and prolonged overexposure to solvent with permanent brain and nervous system damage.

**First Aid - Emergency Procedures:**

**Eye Contact:** Flush with water for 15 minutes; seek medical attention.

**Skin Contact:** Wash with soap and water. If irritation occurs, consult a physician.

**IN ALL OF THE ABOVE EMERGENCY CASES, CALL A PHYSICIAN.**

**O·P·I**  
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ADDITIONAL INFORMATION CONTINUED ON THE OTHER SIDE

## MATERIAL SAFETY DATA SHEET

Product Name: OPI Start To Finish Formaldehyde Free Formula

### SECTION V - SPILL, LEAK, AND DISPOSAL PROCEDURES

**Precautions to take in handling and storage:** Observe label precautions, keep away from heat, sparks, and flames. Close container after each use. Ground container when pouring. Wash thoroughly after handling and before eating or smoking. Do not store over 120 degrees.

**Spill response procedures:** Ventilate area and remove sources of ignition. Confine and remove with inert absorbent.

**Waste disposal methods:** Do not allow material to contaminate ground water systems. Incinerate absorbed material in accordance with Federal, State, and Local Regulations. Do not incinerate in closed containers.

### SECTION VI - SPECIAL HANDLING INFORMATION

**Ventilation and Engineering Controls:** Local exhaust required.

**Respiratory Protection:** Use with adequate ventilation and avoid breathing vapors.

**Eye Protection:** Include splash guards and side shields.

**Gloves:** Neoprene gloves

**Other Clothing and Equipment:** Coveralls

**Work/Hygienic Practices:** Wash thoroughly after handling before eating or smoking.

### SECTION VII - PHYSICAL PROPERTIES

**Vapor Density (air=1):** 1.00

**Specific Gravity:** 0.920

**Solubility in Water:** 0

**Vapor Pressure, mmHg at 20 Degrees C:** N/A

**Melting Point (degrees Fahrenheit):** N/A

**Boiling Point (degrees Fahrenheit):** N/A

**Appearance and Odor:** Strong Solvent

### SECTION VIII - FIRE AND EXPLOSION

**Flash Point (Fahrenheit) and Method:** 26 (TCC)

**Flammable limits in Air (by Vol.):** LEL Lower N/A, UEL Lower N/A

**Auto Ignition Temperature:** N/A

**Fire Extinguishing Materials:** Carbon Dioxide, dry chemical, foam

**Special Firefighting Procedures:** Full Protective equipment, including self-contained breathing apparatus is recommended. Water from fog nozzle may be used to cool containers to prevent pressure build-up.

**Unusual Fire and Explosion Hazards:** When heated above the flash point, emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperature below the flash point.

### SECTION IX - USERS RESPONSIBILITY

A bulletin such as this cannot be expected to cover all possible individual situations. As the user has the responsibility to provide a safe workplace, all aspects of an individual operation should be determined if, or where, precautions, in addition to those described herein should be passed on to your customers or employees, as the case may be. OPI Products Inc. must rely on the user to utilize the information we have supplied to develop work practice guidelines and employee instructional programs for the individual operation and regulations.

#### IMPORTANT

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