



# MATERIAL SAFETY DATA SHEET

## SECTION I - CHEMICAL PRODUCT AND COMPANY INFORMATION

This Material Safety Data Sheet covers the following products manufactured by Formica Corporation.

- Formica® brand Ligna wood surfacing material
- Formica® brand Unfinished Surface
- Formica® brand Melamine Surface
- Formica® brand Polyurethane Surface

**MANUFACTURERS:** Alpi S.P.A., Linteco Division

**SYNONYMS:** Wood Veneer Phenolic Backed

**CHEMICAL NAME:** Not Applicable

**CHEMICAL FAMILY:** Cellulose reinforced thermoset resins.

**CHEMICAL FORMULA:** Not Applicable

**EMERGENCY TELEPHONE NUMBER (CHEMTREC):** (800) 424-9300 (U.S.), (202) 482-7616 (International)

**TELEPHONE NUMBER FOR INFORMATION:** (513) 786-3400, (513) 786-3097 (Fax)

**DATE PREPARED:** November 5, 2001 **PREPARED BY:** John Foged - Director  
Environmental, Health, and Safety

## SECTION II - Hazardous Ingredients/Identity Information

Hazardous Component	OSHA PEL	ACGIH TLV	%
This product does not contain regulated levels of NTP, IARC, or OSHA listed carcinogens.			
This product produces nuisance particulate as identified by ACGIH and OSHA upon sawing, machining, sanding or routing.			
	TWA 15mg/m3 (Total Dust)	TWA 10 mg/m3 (Inhalable Particulate)	
	STEL (none)	STEL (none)	
	TWA 5mg/m3 (Respirable Particulate)	TWA 10 mg/m3 (Respirable Particulate)	
	STEL (none)	STEL (none)	

## SECTION III - Physical/Chemical Characteristics

<b>BOILING POINT:</b>	N/A	<b>SPECIFIC GRAVITY:</b>	1.35
<b>VAPOR PRESSURE:</b>	N/A	<b>MELTING POINT:</b>	N/A
<b>VAPOR DENSITY:</b>	N/A	<b>EVAPORATION RATE:</b>	N/A
<b>SOLUBILITY IN WATER:</b>	Insoluble in water.		

**APPEARANCE AND ODOR:** Thin, rigid sheet with real wood laminate to dark cores. No odor.

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#### SECTION IV - Fire and Explosion Data

**FLASH POINT:** N/A

**FLAMMABLE LIMITS:**

**LEL** N/A  
**UEL** N/A

**EXTINGUISHING MEDIA:** This material is considered a "Class A" type combustible material. Use water spray, carbon dioxide, or dry chemical foam to extinguish flames. Use water to keep cool and prevent rekindling. Wear self-contained positive pressure breathing apparatus and full fire fighting protective clothing.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Machining, sawing, routing, and/or sanding of this product produces a Class ST-1 dust. Safety precautions (and proper ventilation) as recommended by NFPA-68 for Class ST-1 dusts should be followed to prevent this or any Class ST-1 dust from presenting an explosion hazard.

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#### SECTION V - Reactivity Data

**STABILITY:** **STABLE:** X **UNSTABLE**

**CONDITIONS TO AVOID:** None known.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Organic solvents, strong acids or alkaline solutions will destroy the luster or surface appearance.

**HAZARDOUS DECOMPOSITION BYPRODUCTS:** May produce Carbon Monoxide, Carbon Dioxide, Ammonia, Formaldehyde and/or oxides of nitrogen.

**HAZARDOUS POLYMERIZATION:** **MAY OCCUR:** **WILL NOT OCCUR:** X  
**CONDITIONS TO AVOID:** None known.

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#### SECTION VI - Health Hazard Data

**ROUTES OF ENTRY:** The potential routes of entry are inhalation, ingestion, skin contact, and eye contact.

**Inhalation:** Nuisance Dust - Overexposure to dust may cause irritation of the respiratory tract. Should this happen, remove affected individual to fresh air. If symptoms persist consult a physician.

Formaldehyde - Vapor concentration is expected to be too low to cause acute or chronic irritation. No vapor build-up in excess of action level is expected. Excessive inhalation of vapor may cause nasal and respiratory irritation

**Ingestion:** Nuisance Dust - May cause direct tissue irritation but is not expected to cause a significant toxic response. Call physician. DO NOT induce vomiting.

**Skin & Eye:** Nuisance Dust - May cause irritation. Wash skin with soap and water, and flush eyes with water for at least 15 minutes. Contact physician if irritation persists.

**HEALTH HAZARDS (Acute and Chronic):** This product is not hazardous in normal use. During fabrication operations (such as sawing, drilling, routing and sanding) dust, consisting of cured resin, cellulose, and minute amounts of formaldehyde are generated at the cutting face.

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## SECTION VII - Precautions for Safe Handling and Use

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** This material is non-hazardous. Sweep up/pick up scrap material and place in disposal containers

**WASTE DISPOSAL METHOD:** Scrap surfacing material and sander dust may be burned for energy recovery or disposed in an approved sanitary landfill. This product is non-hazardous under RCRA.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Surfacing material may have sharp edges. Safety glasses, gloves, and safety shoes should be worn when handling or machining material to prevent cuts and abrasions.

**OTHER PRECAUTIONS:** Maintain adequate ventilation to maintain airborne concentrations of dust below the exposure limits.

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## SECTION VIII - Control Measures

### EXPOSURE CONTROL METHODS:

Provide sufficient ventilation and dust pick-up at saw, sander, drill or router to keep dust level below 10 mg/cubic meter TWA or provide and make mandatory the wearing of NIOSH approved dust respirators. As a Class 1 dust, safety precautions recommended by NFPA-68 should be followed.

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## SECTION IX - OTHER REGULATORY INFORMATION

### STATE REGULATIONS:

**WARNING!** This product contains formaldehyde, a substance known to the State of California to cause cancer. (Small amounts of formaldehyde may be released in measurable quantities when material is shipped or stored in bulk quantities.)

### REVISION HISTORY:

Date of Issue:	6/1/94
1st Revision:	5/1/97
2nd Revision:	5/1/98
3 <sup>rd</sup> Revision:	11/5/01

Supersedes all previous issues.

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