FORMICA® LAMINATE BY FORMICA GROUP

SAFETY DATA SHEET

PRODUCT NAME: Formica® Brand Laminates

MSDS ISSUE DATE: 11/17/12 SDS REVISION DATE: 3/23/17

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Formica® Brand Laminates (All Grades and Thicknesses, including Backers, DecoMetal®, Basic Metal, ColorCore®2, Compact Color Thru Compact, Access Floor Tiles, Chemtop®2, Fire rated & High Pressure Laminate, Formica Infiniti®, Magnetic Markerboard, Chalkable)

MANUFACTURER: Formica Corporation
10155 Reading Road Cincinnati OH 45241, USA
INFORMATION PHONE: 800-367-6422 (USA)

TRADE NAME: High-Pressure Decorative Laminate (HPDL)

MATERIAL USES: Decorative Laminate

MANFACTURER'S EMERGENCY PHONE NUMBER (CHEMTREC): (800)-424-9300 (USA) (703)-527-3887 (International)

SECTION 2: HAZARD IDENTIFICATION

GHS CLASSIFICATION: Not classified. Material is non-hazardous

GHS SIGNAL WORDS WITH HAZARD AND PRECAUTIONARY STATEMENTS: Not Applicable

GHS PICTOGRAMS: Not applicable

PRECAUTIONARY STATEMENTS: No known hazards for material as supplied. During fabrication operations such as sawing, sanding, drilling, routing, cutting etc. dust consisting or cured resin, paper fiber and minute amounts of formaldehyde are generated at the point of operation. Formaldehyde may be released in minute but detectable amounts when material is shipped or stored in bulk quantities.

APPEARANCE/ODOR: Thin to thick, rigid laminate sheets, various thicknesses/colors. No significant odor.

WARNING: Sanding, sawing, drilling, routing, etc. of this material may generate airborne nuisance dust. This dust may cause eye, nose, skin, and upper respiratory tract irritation. Use of appropriate personal protection and/or engineering controls (such as local exhaust ventilation) should be employed whenever sanding, sawing, drilling, routing, etc. of this material.

POTENTIAL HEALTH EFFECTS: Dust generated during fabrication of this material may cause irritation of the eyes, nose skin and upper respiratory tract. Asthmatic conditions maybe aggravated by the dust generated.

LIKELY ROUTES OF EXPOSURE: Eye contact, skin contact and inhalation

EYES: Dust generated during installation or fabricating could cause eye irritation (tears, blurred vision and redness). In case of eye contact with dusts, rinse affected eye for at least 15 minutes with clean water. If irritation persists, seek medical attention.

SKIN: The dust generated during installation or fabrication may cause moderate skin irritation. Avoid prolonged skin exposure to dust. Rinse skin with mild soap if contact occurs. If irritation persists, seek medical attention.

INGESTION: Not likely to occur and not expected to cause a significant toxic response. However, ingestion of dust could cause irritation of the mouth, throat and stomach. If this occurs, rinse mouth with clean water. If irritation persists, seek medical attention.

INHALATION: Sanding, sawing, drilling, routing or cutting of this material may generate airborne dust that may cause eye, nose and upper respiratory tract irritation. Use appropriate personal protection and/or engineering controls (such as local exhaust ventilation whenever sanding, routing, sawing, drilling, and cutting, etc. on this material.

MEDICAL CONDITIONS: Dust may cause skin irritation to people with pre-existing skin conditions.

AGGRAVATED BY EXPOSURE: Asthmatic conditions may be aggravated by additional dust exposure.

TARGET ORGANS: Lungs (From dust generated during fabrication only)

SECTION 3: COMPOSITION/ INFORMATION ON HAZARDOUS INGREDIENTS

This product does not contain regulated levels of NTP, IARC, or OSHA listed carcinogens

Component	CAS #	% by Wt.
Paper/Fiber	NA	40-70
Resins	NA	30-50

SECTION 4: FIRST AID AND MEASURES

EYE CONTACT: If dust gets into the eyes, immediately rinse affected eye for at least 15 minutes with clean water. If irritation persists, seek medical attention.

SKIN CONTACT: If excess dust gets onto the skin, remove contaminated clothing and wash before reuse. Wash skin with soap and water. Seek medical attention if irritation occurs.

INGESTION: If dust gets into mouth, rinse mouth with clean water. Seek medical attention if necessary.

INHALATION: If excess dust is inhaled, move to fresh air. Seek medical attention if symptoms such as wheezing and/or shortness of breath occur.

SECTION 5: FIRE FIGHTING MEASURES

This material is a Class A combustible material. Use water spray, carbon dioxide or dry chemical foam to extinguish flames. Use water to keep cool and prevent rekindling of material.

UNUSUAL FIRE OR DUST: Sanding, sawing, drilling, routing, cutting, etc. of this material may generate a Class ST-1.

EXPLOSION HAZARDS: 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 a explosion hazard.

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SUITABLE EXTINGUISHING MEDIA: CO2, water, foam.

POSSIBLE PRODUCTS COMBUSTION: Various oxides of carbon and nitrogen, ammonia and formaldehyde.

FIREFIGHTERS: Combustion products may be irritating to eyes, skin and the respiratory tract. Self-contained breathing apparatus and full fire-fighting turnout gear should be worn.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Material is non-hazardous as supplied. Review personal protection measures in Section 8.

METHODS FOR CLEAN-UP: Recover undamaged materials for reuse or reclamation. Sweep or pick up scrap material and place in disposal containers.

SECTION 7: HANDLING AND STORAGE

HANDLING: Prevent dust from entering eyes. Do not breathe dust. Avoid prolong skin contact with dust and/or filings. Cut, drill, saw, sand and finish, etc. in well-ventilated areas.

STORAGE: Keep away from strong chemicals, solvents and excessive heat. Prolonged or extreme heat can cause damage to the surface.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA PEL	ACGIH TLV
15mg/m³ Total Dust	10mg/m³ Inhalable
5mg/m³ Respirable Dust3 mg/m³	Respirable

ENGINEERING CONTROLS: Provide adequate ventilation to maintain exposure levels below applicable limits. The use of local exhaust ventilation is recommended during fabrication work. Dust generated is a Class ST-1 dust and precautions recommended by NFPA-68 should be followed.

EYE/FACE PROTECTION: Wear safety glasses when sawing, sanding, drilling or routing.

SKIN PROTECTION: Wear appropriate gloves when installing, transporting, sawing, cutting, drilling, routing or handling uninstalled pieces.

FOOT PROTECTION: No special protection required.

RESPIRATORY PROTECTION: Where airborne concentrations of dust are expected to exceed the allowable exposures, a NIOSH-approved respirator should be worn, chosen based on the form and concentration of the contaminant. Respirator usage must be in accordance with the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

GENERAL HYGIENE CONSIDERATIONS: Wash thoroughly after sawing, cutting, drilling, or routing. Have eyewash facilities immediately available.

Additional information is available in ASTM E1132-99a

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

COLOR: Various

ODOR: None

PHYSICAL STATE: Solid sheet product

PH: Not applicable

FREEZING POINT: Not applicable

BOILING POINT: Not applicable

FLASH POINT: Not applicable

EVAPORATION RATE: Not applicable

FLAMMABILITY: Not applicable

UPPER FLAMMABILITY LIMIT: Not applicable

LOWER FLAMMABILITY LIMIT: Not applicable

VAPOR PRESSURE: Not applicable

VAPOR DENSITY: Not applicable

SPECIFIC GRAVITY: 1.45

SOLUBILITY (WATER): Not applicable

AUTO-IGNITION TEMPERATURE: Not applicable

PERCENT VOLATILE, WT %: Zero

VOLATILE ORGANIC COMPOUND (VOC) CONTENT, WT. %: Zero. Product as supplied is fully cured and chemically inert, VOC release is extremely low.

SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID: Avoid exposing to oxidizers, strong chemicals, alkaline solutions and solvents.

INCOMPATIBLE MATERIALS: Avoid strong acids and alkaline solutions which will damage the surface appearance of the material. If spills occur, remove immediately from the material.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition product may include various oxides of carbon and nitrogen may be released.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGY INFORMATION

ACUTE EFFECTS

ORAL LD50: Not known

DERMAL LD50: Not known

INHALATION: See Section 2

EYE IRRITATION: See Section 2

SKIN IRRITATION: See Section 2

SENSITIZATION: No data for product.

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CHRONIC EFFECTS

CARCINOGENICITY: This product may contain trace amounts of formaldehyde which is listed by IARC as carcinogenic. The ACGIH lists formaldehyde as a suspect human carcinogen. NTP lists formaldehyde as carcinogenic.

WARNING-Substance contained in this product known to the State of California to cause cancer, birth defects or other reproductive harm – formaldehyde.

MUTAGENICITY: No data for product.

REPRODUCTIVE EFFECTS: No data for product.

DEVELOPMENTAL EFFECTS: No data for product.

SECTION 12: ECOLOGICAL INFORMATION

ECO TOXICITY: No data for product

PERSISTENCE/DEGRADABILITY: No data for product.

BIOACCUMULATION/ACCUMULATION: No data for product

MOBILITY IN ENVIRONMENT: No data for product

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL: Material is non-hazardous and no special treatment is required for disposal. Disposal in landfill must be in accordance with federal, state and local regulations.

SECTION 14: TRANSPORTATION INFORMATION

DOT: Not Regulated

SECTION 15: REGULATORY INFORMATION

WARNING-Substance contained in this product known to the State of California to cause cancer, birth defects or other reproductive harm - Formaldehyde.

SECTION 16: OTHER INFORMATION

NFPA Labeling

Health – 1 Fire – 0 Reactivity – 0

0 = minimal hazard

1= slight hazard

2 = moderate hazard,

3 = severe hazard

4 = extreme hazard

SECTION 16: OTHER INFORMATION(CONTINUED)

ACRONYMS:

ACGIH: American Conference of Governmental Industrial Hygienists

ASTM: American Society for Testing and Materials

DOT: Department of Transportation

IARC: International Agency for Research on Cancer

NFPA: National Fire Protection Agency

NIOSH: National Institute of Occupational Safety and Health

NTP: National Toxicology Program

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

TLV: Threshold Limit Value

TSCA: Toxic Substance Control Act

TWA: Time Weighted Average

MG/M^3: Milligrams per Cubic Meter of Air

PREPARED BY: Formica Corporation,

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LIMITED WARRANTY

Formica Corporation expressly warrants that, for a period of one (1)year from the date of first sale, these products will be reason- ably free of defects in materials and workmanship, and that when properly handled and fabricated, will conform, within accepted tolerance, to applicable manufacturing specifications. Colors subject to dye lot variations. This limited warranty only applies to Formica® Brand Laminate which is stored, handled, fabricated and installed in the manner recommended by Formica Corporation. Due to the variety of uses and applications to which Formica® Brand Laminate may be put, FORMICA CORPORATION CAN MAKE NO WARRANTY THAT THIS PRODUCT IS SUITABLE FOR ANY PARTICULAR PURPOSE AND CAN MAKE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OTHER THAN THOSE SET FORTH ABOVE.

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Any information or suggestion concerning application, specifications or compliances with codes and standards is provided solely for your convenient reference and without any representation as to accuracy or suitability. Formica Corporation disclaims any legal responsibility. The user must verify and test the suitability of any information or products for their own particular purpose of specific application.

MANUFACTURER

Formica® Brand Laminate sheets are manufactured by Formica Corporation.

TECHNICAL SERVICES

Technical assistance may be obtained through your local Formica® Brand Products Distributor or from Formica Corporation trained representatives in sales offices throughout the country. To assist these representatives, Formica Corporation maintains a sales and technical services staff in Cincinnati, Ohio. For technical assistance, contact your distributor or sales representative; write the company directly at Formica Corporation Technical Services Department, 10155 Reading Road, Cincinnati, OH, 45241; call (513) 786-3578 or 1-800-FORMICA™; or fax (513) 786-3195. In Canada, call 1-800-363-1405. In Mexico, call (525) 530-3135.

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