SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Formica® Brand Laminates
MSDS ISSUE DATE: 11/17/12 SDS REVISION DATE: 3/23/17

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 dust that may cause eye, nose and upper respiratory tract irritation. Use 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.

SECTION 3: COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

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

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS #</th>
<th>% by Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper/Fiber</td>
<td>NA</td>
<td>40-70</td>
</tr>
<tr>
<td>Resins</td>
<td>NA</td>
<td>30-50</td>
</tr>
</tbody>
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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.
SAFETY DATA SHEET

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
15mg/m³ Total Dust
5mg/m³ Respirable Dust

ACGIH TLV
10mg/m³ Inhalable
3mg/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

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.
FORMICA® LAMINATE BY FORMICA GROUP

SAFETY DATA SHEET

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
ECOTOXICITY: 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

AGRONYMS:
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/M³: Milligrams per Cubic Meter of Air

PREPARED BY: Formica Corporation,
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NFPA Labeling

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0 = minimal hazard
1 = slight hazard
2 = moderate hazard,
3 = severe hazard
4 = extreme hazard
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