

MATERIAL SAFETY DATA SHEET



Part 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name : **COMPACT LAMINATES**

Trade Name : **Kingdom Compact Laminates**



Part 2 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: OSHA PEL

15mg/m³ Total Dust

5mg/m³ Respirable Dust 3 mg/m³

ACGIH TLV

10mg/m³ Inhalable

Respirable

Engineering Controls: Make sure that there is adequate ventilation to maintain exposure levels below applicable limits. During fabrication work must use local exhaust ventilation. Class ST-1 dust is generated and precautions recommended by NFPA-68 must be followed.

Eye/face Protection: One must wear safety glasses when sawing, sanding, drilling or routing.

Skin Protection: Wear appropriate gloves whenever installing, transporting, sawing, cutting, drilling, routing or handling uninstalled pieces.

Foot Protection: use safety shoes.

Respiratory Protection: A NIOSH-approved respirator should be worn if airborne concentration of dust is expected to exceed the allowable limit, 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 Wash thoroughly after sawing, cutting, drilling, or routing. Eyewash facilities should be there.

Considerations: immediately available. Additional information is available in ASTM E1132-99a



Part 3 : HAZARD IDENTIFICATION

GHS Classification: Not classified as material is non-hazardous

GHS Signal Words with Hazard and Precautionary Statements: Not Applicable

GHS Pictograms: Not applicable

Precautionary Statements:

Material supplied doesn't contain any known hazardous thing. During fabrication operations such as sawing, sanding, drilling, routing, cutting etc. dust consisting of 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/Thick, rigid compact laminate, 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 may be aggravated by the dust generated.

Likely Routes of Exposure: Eyes, Skin and Inhalation.

Skin: The dust generated during installation or fabrication may cause moderate skin irritation and so avoid prolonged exposure to dust.

Rinse skin with mild soap if there's irritation. If irritation persists, seek medical attention.

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.

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)

Factory :

Kingdom Decorative Surfaces (India)
C/o Hosur Paper Mills
Sy. No.211 & 212, Sanamavu Village,
Rayakotta Road, Hosur. Post Box- 635119
Tamil Nadu-India

UAE Distribution Centre:

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Part 4 : 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	60-70
Resins	NA	30-40



Part 5 : 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: 1.40 ± 0.05

Solubility (water): Not applicable

Auto-ignition Temperature: Not applicable

Percent volatile, wt %: Zero

Volatile Organic Compound: Zero. Product as supplied is fully cured and chemically inert,
(VOC) content, wt. %: VOC release is extremely low.



Part 6 : TOXICOLOGY INFORMATION

ACUTE EFFECTS

Oral LD50: Not known

Dermal LD50: Not known

Inhalation: See Section 3

Eye Irritation: See Section 3

Skin irritation: See Section 3

Sensitization: No data for product.

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.

Mutagenicity: No data for product.

Reproductive Effects: No data for product.

Developmental Effects: No data for product.



Part 7: 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.

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Hazardous Decomposition Products: Thermal decomposition product may include various oxides of carbon and nitrogen may be released.

Hazardous Polymerization: Will not occur.



Part 8 : ACCIDENTAL RELEASE MEASURES

Personal Precautions: Non-hazardous material is supplied. Review personal protection measures in Section 2.

Methods for Clean-up: Recover undamaged materials for reuse or reclamation. Sweep or pick up scrap material and place in disposal containers.



Part 9 : 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.

Suitable Extinguishing CO₂, water, foam.

Media:

Possible Products of combustion. Various oxides of carbon and nitrogen, ammonia and formaldehyde.

Protection of firefighter. Combustion products may be irritating to eyes, skin and the respiratory tract. Firefighters should wear self-contained breathing apparatus and full fire-fighting turnout gear.



Part 10 : 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.



Part 11 : HANDLING AND STORAGE

Handling: Prevent dust from entering eyes. Do not breathe dust. Avoid prolonged 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.



Part 12 : 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.

Part 13 : REGULATORY INFORMATION

Not applicable

Part 14 : 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

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Part 15 : TRANSPORTATION INFORMATION

Not Regulated

Part 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

Acronyms:

ACGIH = American Conference of Governmental Industrial Hygienists

ASTM = American Society for Testing and Materials

DOT = Department of Transportation

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 : **KINGDOM LAMINATES**

The information contained in this document applies to this specific material as supplied.

It may not be valid for this material if it is used in combination with any other materials.

It is the user's responsibility to satisfy oneself as to the suitability and completeness of this information for his own particular use.

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