OCTOPUS

SAFETY DATA SHEET
OCTOLAM - HIGH PRESSURE LAMINATE (HPL)

SECTION 1: Identification

Product Name : Octolam High Pressure Laminate (All grades and thicknesses)
Synonyms : HPL; Plastic Laminate
Code : Octolam 100, 200, 300, 400, 500, 600, 700, 900 and 1,000 series

Supplier Details : Octopus Products Limited
23 Gurney Crescent
Toronto, ON M6B 1S9
Canada

Information telephone number : 1-877-628-6526 (North America – 8am to 4:30 pm EDT/EST)

SECTION 2: Hazards Identification

GHS Classification : Not classified. Material is non-hazardous
GHS Signal Word : 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 dust.

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 an explosion hazard.

Suitable Extinguishing Media : CO2, water, foam.

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

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

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 Dust 3 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.

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	:	Zero. Product as supplied is fully cured and chemically inert,
(VOC) content, wt. %	**:**	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.

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 cause cancer, birth defects or other reproductive harm - Formaldehyde.

Section 16: Other Information

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Prepared By : Octopus Products Limited

Disclaimer : To the best of our knowledge, the information contained herein is accurate. However, neither Octopus Products Limited or the manufacturers of Octolam High Pressure Laminate or any of its subsidiaries, distributors or agents assumes liability whatsoever for accuracy or completeness of information herein.

Final determination of suitability of any material is the sole responsibility of the user. All material may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard that exist.

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