



MATERIAL SAFETY DATA SHEET

Section 1: PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Greenply Industries
1501-1505 narain manzil, 23,
Barakhamba Road
New Delhi, 110001

Local Company Contact:
Greenlam America, Inc.
8669 NW 36th ST
Doral, FL 33166

Laminates

Product Name: Greenlam

Emergency Contact Phone Number: 1877-647-0388

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EMERGENCY OVERVIEW

No known hazards for material as supplied. 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 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 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.

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 into 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 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 CO2, water, foam.

Media:

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

Combustion

Protection of 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.

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/m ³ Total Dust	10mg/m ³ Inhalable
	5mg/m ³ Respirable Dust	3 mg/m ³ Respirable

Engineering Controls: Provide adequate ventilation to maintain exposure levels below applicable limits.

The use of local exhaust ventilation is recommended during fabrication work.

Guidelines: OSHA PEL ACGIH TLV

Engineering Controls: Provide adequate ventilation to maintain exposure levels below applicable limits.
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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 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: Wash thoroughly after sawing, cutting, drilling, or routing. Have eyewash facilities

Considerations: Immediately available.

Additional information is available in ASTM E1132-99a

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Odor: None

Physical State: Solid sheet pr

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 Temp. Not applicable

Percent volatile, wt %: Zero

Volatile Organic Compound Zero.

(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.

Section 10: STABILITY AND REACTIVITY Hazardous Decomposition Products: Thermal decomposition product may include various oxides carbon Hazardous Polymerization: Will not occur.

ACUTE EFFECTS Oral LD50:

Dermal LD50 Not known

Inhalation: See Section 2

Eye Irritation: See Section 2

Skin irritation: See Section 2

Sensitization: No data for prod

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 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:

Reproductive Effects: No data for product.

Developmental Affects 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**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

Emissions of Volatile Organic Compounds

Individual VOCs ¹	≤0.1 TLV
Formaldehyde	≤0.05 ppm (≤ 0.06 mg/m ³)
4-Phenylcyclohexene	≤0.0065 mg/m ³
Total VOCs ²	≤0.5 mg/m ³
Total Aldehydes ³	≤0.1 ppm
Listing of measured carcinogens and reproductive toxins as identified by California Proposition 65, the U.S. National Toxicology Program (NTP), and the International Agency on Research on Cancer (IARC) must be provided.	
Any pollutant regulated as a primary or secondary outdoor air pollutant must meet a concentration that will not generate an air concentration greater than that promulgated by the National Ambient Air Quality Standard (U.S. EPA, code of Federal Regulations, Title 40, Part 50).	

Greenply Industries, BL Sharma

By: BL Sharma.