



ECONOMY ♦ EXCELLENCE ♦ ETHICS

Material Safety Datasheet

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| Doc. | SDS-MER-22 |
| Version. | 01 |
| Revision Date. | 24-06-2022 |

Section 1: Company and Product Identification

- 1.1 Product Identification** : Merino Laminates (All Surface Products ,Grades, and Thickness).
1.2 Product Description : Decorative laminates are made of superimposed layers of cellulosic (Kraft) paper impregnated with thermosetting resins.
1.3 Product Use: Laminates are decorative surface products suitable for panels ,cladding and furniture.
1.4 Manufacturers

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1.5 Additional Information

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Section 2: Hazard Identification

- 2.1 Classification:** Material is non-hazardous
2.2 Precautionary statements: No known hazards for material as supplied.

During fabrication operations such as sanding, sawing, drilling, routing etc. of this material may generate airborne nuisance dust, fines, chips etc. The dust may cause mechanical irritation of eyes, skins, and respiratory system. Avoid breathing dust.

Classification according to OSHA 29 CFR 1910.1200 HCS

This product is regulated under OSHA for the release of wood dust during mechanical operations. The classification below is based upon wood dust.

Skin irritation category – 2
Eye irritation Category – 2B



Respiratory Sensitization Category -1
Skin Sensitization Category – 1
Carcinogen Category 1A
Specific Target Organ Toxicity Single Exposure Category 3: Respiratory Tract Irritation

Other Classification

Combustible Dust (OSHA Defined Hazard) if converted to small particles during further processing ,handling, or by other means ,may form combustible dust concentrations in air

2.3 Route of Entry : None for product as sold. For dust or chips generated during fabrication operations - eye contact, skin contact, and inhalation

2.4 Inhalation : Dust generated during installation or fabrication may cause irritation to nose, throat, and respiratory system.

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

2.6 Skin : Dust generated during installation or fabrication may cause skin moderate irritation. Avoid prolonged skin exposure to dust. Rinse skin with mild soap to clean the affected area. If irritation persists, seek medical attention.

2.7 Ingestion : Not likely to occur. The product is not expected to cause a significant toxic response. 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.

2.8 Potential Chronic Health Effects : Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Asthmatic conditions may be aggravated by additional dust exposure.

Section 3: Information on Ingredients

| Component | CAS Number | % By weight |
|---------------------------|----------------|-------------|
| Paper | Not Applicable | 65-70 |
| Phenol-Formaldehyde resin | 9003-35-4 | 25-20 |
| Melamine resin | 9003-08-01 | 20-15 |

The Kraft paper and the formaldehyde resins are bonded together under heat and pressure. The process cures the resins, however small amounts of formaldehyde may be released from the finished product.

Section 4: First Aid Measure

4.1 Inhalation : Avoid breathing dust formed during fabrication process. If breathing is difficult ,administer supplement oxygen and seek immediate medical attention. If breathing stops, perform artificial respiration.



4.2 Skin Contact : Wash affected areas with plenty of water and soap. Get medical attention if irritation persists.

4.3 Eyes : Rinse immediately with plenty of water for 15 minutes and seek medical advice.

4.4 Ingestion : Never give anything by mouth to a victim who is unconscious or is having convulsions. If vomiting naturally occurs, have victim lean forward to reduce risk of aspiration. If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting unless instructed to do so by medical personnel.

Section 5: Fire Fighting Measure

5.1 Flammability of the Product : Not considered to be flammable. Will burn in a fire situation. Material type is a Class A combustible.

5.2 Hazardous combustion products : Laminates exposed to fire may release phenols, formaldehyde and oxides of nitrogen and carbon.

5.3 Extinguishing media : Waterfog, Carbon dioxide, dry chemical ,chemical foam

5.4 Firefighters procedure : Firefighters should use appropriate personal protective equipment including self-contained breathing apparatus.

5.5 Explosion Hazards : Finely divided airborne dust from machining could produce Class 1 dusts. Follow NFPA guides for fire safety practices.

Section 6: Accidental release measures

6.1 Containment Procedures : This product is not expected to cause a hazardous situation. As a solid ,spill containment is not an issue.

6.2 Clean-up Procedure : Reroll,sweep,shovel,or vacuum this material and put into container for disposal as a non-hazardous waste.

6.3 Evacuation Procedures : Evacuation should not be necessary

Section 7: Handling and Storage

7.1 Precautions for Safe Handling : Follow proper housekeeping practice to keep the product free from dust. Minimize dust generation and accumulation. Prevent dust from entering eyes.

7.2 Storage Procedure : Avoid extreme hot or cold storage for product quality. Store flat if possible.

Section 8: Exposure Controls / Personal

8.1 Exposure Guidelines : Product Information -No exposure limits established for the product



8.2 Engineering Controls : Use general ventilation and use exhaust ,where possible ,in confined or enclosed spaces. During thermal processing ,use adequate ventilation to prevent the build up of dusts or processing fumes.

8.3 Personal Protective Equipment

- Eyes /Face-Wear safety glasses during processing.
- Skin-Wear Impervious gloves for prolonged contact.
- Respiratory-If ventilation is not sufficient to effectively remove vapours or mists, appropriate NIOSH approved respiratory protection should be provided.

8.4 Administrative Controls : Safe work practices and work procedures such as written safety policies, rules ,supervision, schedules ,and training should follow where possible to reduce the duration,frequency,and severity of exposure to any hazardous situation.

Section 9: Physical and Chemical Properties

| Properties | Comments |
|--|----------------------------|
| Appearance | Various design and texture |
| Physical State | Solid Physical sheet |
| Odour | None |
| Specific gravity | Not Applicable |
| Vapour density | Not Applicable |
| Boiling point | Not Applicable |
| Flash point | Not Applicable |
| Melting/ Freezing point | Not Applicable |
| Upper/lower flammability or explosive limits | Not Applicable |
| Vapour Pressure | Not Applicable |
| Solubility in water | Insoluble |
| Scrubbing /Neutralising/Inactivating media | Not Applicable |
| pH | Not Applicable |
| VOC | Not Applicable |
| Auto-Ignition Temperature | Not Applicable |

Section 10: Stability and Reactivity

10.1 Reactivity : This product is non-reactive in normal conditions of transport, storage, and use.

10.2 Chemical stability : Stable under recommended storage conditions.

10.3 Conditions to be avoided : Exposure to water, ignition source, high relative humidity, and elevated temperature.

10.4 Possibility of hazardous reactions : No dangerous reactions known.

10.5 Incompatible materials : Material is expected to avoid exposure to oxidizers, strong chemicals, alkaline solutions, and abrasive solvents.

10.6 Hazardous Polymerization : Will not occur.



Section 11: Toxicological Information

The product is not expected to be toxic, but no information on the product is available .
The product may contain trace amount of formaldehyde. Formaldehyde is listed by IARC as a human carcinogen. ACGIH lists formaldehyde as a suspect for human carcinogen. The NTP lists formaldehyde as "known to be a human carcinogen." Formaldehyde is regulated by OSHA as a potential cancer agent.

| Hazards | Comments |
|--|---|
| <i>Acute Toxicity</i> | <i>Product not expected to be toxic</i> |
| <i>Skin corrosion/irritation</i> | <i>No data for product</i> |
| <i>Serious eye damage/irritation</i> | <i>No data for product</i> |
| <i>Respiratory or skin sensitization</i> | <i>No data for product</i> |
| <i>Germ cell mutagenicity</i> | <i>No data for product</i> |
| <i>Carcinogenicity</i> | <i>No data for product</i> |
| <i>Reproductive Toxicity</i> | <i>No data for product</i> |
| <i>Single target organ toxicity ,single exposure</i> | <i>No data for product</i> |
| <i>Single target organ toxicity ,repeated exposure</i> | <i>No data for product</i> |
| <i>Aspiration hazard</i> | <i>No data for product</i> |

Section 12: Ecological Information

This product is not expected to be dangerous to the environment.

| Conditions | Comments |
|---|----------------------------|
| <i>Toxicity</i> | <i>No data for product</i> |
| <i>Persistence and degradability</i> | <i>No data for product</i> |
| <i>Bio accumulative potential</i> | <i>No data for product</i> |
| <i>Mobility in Soil</i> | <i>No data for product</i> |
| <i>Information on other adverse effects</i> | <i>No data for product</i> |

Section 13: Disposal Considerations

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

Section 14: Transport Information

Not regulated as a hazardous material by the U.S. Department of Transportation (DOT)



Section 15: Regulatory Information

15.1 Warning -Decorative laminates products contain formaldehyde, a substance known to the State of California to cause cancer. Laminates contain small amounts of residual formaldehyde that can be released in measurable quantities when stored in bulk.

15.2 International Regulations

- DSL (Canada) : None
- EINECS : None
- WHIMS : Not classified as hazardous

Section 16: Other Information

Abbreviations and Acronyms

CAS - Chemical Abstracts Services

DSL- Domestic Substance List

NFPA—National Fire Protection Association

IARC – International Agency for Research on Cancer

ACGIH- American Conference of Governmental Industrial Hygienists

NTP -National Toxicology Program

EINECS - European Inventory of Existing Commercial Chemical Substances

OSHA – Occupational Safety and Health Administration

NIOSH – National Institute for Occupational Safety and Health

WHIMS – Workplace Hazardous Material Information System

Disclaimer

The information contained in this document is based on data available at the time of writing ,which we believe is accurate and reliable. From time to time ,information will change and added to as new data becomes available. However ,neither Merino Industries nor any of its subsidiaries assumes any liability whatsoever for accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should use with caution. Although certain hazards described herein, we cannot guarantee that these are the only hazards that exist.

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