COSHH ASSESSMENT FORM

Product Name: Buhne Board
Trade Name: Buhne Board
Assessor: Robert Bennett, Business Development Manager

SECTION 1: PRODUCT DESCRIPTION

Buhne by Rearo is a decorative Commercial Wall Lining Solution composed from High Pressure Laminate (HPL) which can be used within Retail, Healthcare, Education and Transport locations.

SECTION 2: MATERIAL SPECIFICATION

All panels are manufactured from 9mm moisture resistant MDF with VFP grade Formica® High Pressure Decorative Laminate Surface to face, selected from the Buhne standard laminate selection. VBF grade fire resistant backing laminate to reverse. Vertical edges of panel finished tongue and groove as standard.

SECTION 3: AREA OF USE

For interior in use in dry Commercial surface areas. Not suitable within wet areas

SECTION 4: HAZARDS IDENTIFIED

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 fibre 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/Odour: Thin to thick, rigid laminate sheets, various thicknesses/colours. No significant odour.

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.

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 5: COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

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

Component	CAS #	% by Wt
Paper/ fibre	NA	40 - 70
Resins	NA	30 - 50

SECTION 6: 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

SECTION 7: 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 a 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 8: 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 9: 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 10: 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 Wash thoroughly after sawing, cutting, drilling, or routing. Have eyewash facilities Considerations: immediately available. Additional information is available in ASTM E1132-99a

SECTION 11: PHYSICAL AND CHEMICAL PROPERTIES

Colour: Various

Odour: 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 12: 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 13: 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

Sensitisation: 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.

SECTION 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

SECTION 15: 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 16: TRANSPORTATION INFORMATION

DOT: Not Regulated

SECTION 17: OTHER INFORMATION

NFPA Labelling

Health – 1 Fire – 1 Reactivity – 0

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

SECTION 18: CLEANING AND CARE INSTRUCTIONS

On a day to day basis it's best to rinse the panels and then clean off the excess water with a squeegee or a soft cloth. Wiping down the laminate surface after every use will help to prevent the build-up of residue. Finally, to achieve that sought-after streak free finish, remove any remaining water using a high quality microfibre cloth. Pay special attention to areas of exposed sealant, these should be wiped clean to prevent the build-up of dirt which, in extreme cases, may promote mould/fungus growth.

Abrasive cleaners should never be used. The use of "wash and go" cleaners should also be avoided as some have a high acidic content which - over time - may cause discoloration or damage to the surface of the panels. Do not allow paint stripper, nail varnish, spirits, dry cleaning agents, w.c. cleaners or bleach to come in to contact with the panel surface.

SECTION 19: ACCESS CONTROL

a) permitted staff only
b) Care should be taken during handling to protect hands from small splinters of wood. Follow good housekeeping practises" clean up areas where wood dust settles to avoid excessive accumulation of this combustible material. Avoid generation of explosive levels of wood dust in the air.

Engineering Controls required

Total containment: Store in a cool dry, well ventilated area.
Safety Cabinet: Keep away from oxidizing agents. Do not remove warning labels.
Local Exhaust Ventilation: in the workplace where Formica HPL are machined and cut, adequate exhaust ventilation should be provided to remove dust and fumes. Workplace exposure limit of inhalable dust are required to below 10mg/Km3 in accordance with COSHH Regulations 2002. Ensure good housekeeping is practised to prevent accumulations of fugitive emissions and spills of dust which can contribute to the risk of explosions.

Approved PPE

Heavy Duty Cut Resistant Gloves
Safety Glasses with side panels
Suitable respirator when there is inadequate ventilation

Special procedures

Standard operating procedure (SOP) is required
Code of practise, local rules. Consideration should be given tom its reuse or recycle value. Laminates can be safely disposed of via authorized waste contractors to landfill sites.

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