

DesignerOne® Laminates

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

1.1 Product name

DesignerOne® – High pressure Decorative Laminates

1.2 Details of the supplier

Registered company name: ForestOne

Address: 601 Victoria Street, Abbotsford, VIC 3067

Origin of Manufacturing: Pin Cheng City, Taoyuan County, Taiwan (R.O.C)

Telephone: (03) 9647 9911

Fax: +886-2-25224466

Website: www.forest.one

Email: enquiries@forest.one

1.3 Emergency phone number

+61 131 126 (Poisons Information Centre)

SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS

2.1 Pure Chemicals or Mixtures

Laminates consist of cellulose fibre paper impregnated with heat-setting resins. They have a multilayer structure and consist of melamine-formaldehyde resin impregnated decorative paper and one or more layers of soda Kraft paper impregnated with phenolic resins, which are laminated under high pressure and heat. In the production process all used resins are cured and polymerised.

2.2 Substance name

DesignerOne® - High pressure Decorative Laminates are manufactured consisting of a multilayer structure of melamine-formaldehyde resin impregnated decorative paper and one or more layers of soda Kraft paper impregnated with phenolic resins, which are laminated under high pressure and heat.

2.3 Main Composition and Content

Paper	60~66wt%
Cured Melamine Resin	7~18wt%
Cured Phenolic Resin	21~28wt%

SECTION 3 - HAZARDS SUMMARIZING

3.1 Hazards Category

Not applicable to the classification basis of “Classification and Mark of Common Hazardous Chemicals.”

3.2 Hazard

Not applicable.

3.3 Nocuity

Although the materials contains formaldehyde, the formaldehyde emission meets E0 class standard ($\leq 0.5\text{mg / L}$) of Indoor Decorating and Refurbishing Materials--Limit of Formaldehyde Emission of Wood-Based Panels and Finishing Products.

3.4 Environmental Impact

Not applicable.

SECTION 4 - FIRST-AID MEASURES

4.1 Inhalation

If dust is inhaled, remove the victim to fresh air and keep quiet and warm, then seek medical attention ASAP.

4.2 Skin Contact

Wipe with cloth, and wash skin thoroughly with water, soap or skin cleanser immediately. If irritation continues, seek medical attention ASAP.

4.3 Eye Contact

Flush eye with clean running water for at least 15 minutes, and seek medical attention ASAP.

4.4 Ingestion

Wash mouth out with plenty of water, and seek medical attention ASAP.

SECTION 5 - FIRE-FIGHTING MEASURES

5.1 Extinguishing Agent

Extinguishing fluid, water, foam and dry-powder fire extinguishers.

5.2 Extinguishing Method

Though DesignerOne® is noncombustible, please use extinguishing agent when catch fire. In order to prevent fire from spreading, open fire hydrants to cool surrounding. Fight fire upwind, and decide whether to wear a respirator or not according to circumstances.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Not applicable.

SECTION 7 - HANDLING AND STORAGE

7.1 Handling

Wear protective equipment to prevent inhaling dust during processing. Secondly, wear gloves during fabrication as the edge of DesignerOne® Laminates may cause cuts. (As the dust of DesignerOne® Laminates is combustible, please distinguish metal dust and take dust explosion countermeasures.)

7.2 Storage

Stacked Horizontally in dry room at normal temperature and humidity. Protect from direct sunlight and moisture. Avoid being placed on the ground or concrete floor directly.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Equipment Countermeasures

As fabrication operations will produce dust and chips, please install standard exhaust to improve operation efficiency.

8.2 Controlled Concentrations

Not applicable

8.3 Allowable Concentration

Not applicable

8.4 Protective Measures

- Breath - dust mask
- Hands - work gloves, cloth gloves, etc.
- Eyes - ordinary eyeglass with frames.
- Skin and body - dust-proof clothing

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

9.1 Physical Properties

Shape: Decorative Sheet

Flash Point, Ignition: Flash point - None, Ignition - Not less than 300°C.

Explosive Limit (upper limit, lower limit): None

Specific Gravity (20°C): About 1.4

Solubility: Insoluble in water

Physical State: Solid

Colour: Varies

SECTION 10 - STABILITY AND REACTIVITY

The product is not reactive under normal conditions of use, storage and transport. Stable chemical properties under recommended storage conditions.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Toxicity	None (as far as we know)
Sensitization	None (as far as we know)
Carcinogenicity	None (as far as we know)
Teratogenicity	None (as far as we know)
Local Irritant	None (as far as we know)
Chronic Toxicity	None (as far as we know)
Mutagenicity	None (as far as we know)
Reproductive Toxicity	None (as far as we know)

SECTION 12 - ECOLOGICAL INFORMATION

Persistence / Decomposition	None (as far as we know)
Bioaccumulation	None (as far as we know)
Ecotoxicity	None (as far as we know)

SECTION 13 - DISPOSAL

Dispose as industrial waste, and prohibit discarding to wilderness and rivers illegally.

SECTION 14 - TRANSPORT INFORMATION

DesignerOne® is classified to non-hazardous products and there is no security problem during transportation, but please protect DesignerOne® from direct sunlight and moisture.

SECTION 15 - OTHER INFORMATION

All data and specifications provided are based on current knowledge and information and are believed to be correct, but can not be absolutely guaranteed. Secondly, the precautions are applicable to general cases. In special circumstances, take appropriate security measures according to the purpose and usage, and then refer this data.