

Applicant: Yantai Monco Board Co., Ltd.  
Address: No.16, Huaihai Road, Nnawang Industrial Zone, Penglaai City, Shandong

**Sample information:**

Sample name: High pressure laminated sheet  
Model: /  
Sample received date: November 30, 2016  
Testing period: From November 30, 2016 to December 1, 2016

**Test Requested:** As specified by the client, to edit Material Safety Data Sheet (MSDS) for the submitted sample.

Shanghai Changyin Testing Technology Co.,Ltd

Approved by:



# Material Safety Data Sheet (MSDS)

In accordance with GHS Rev. 6 and The EU CLP REGULATION (EC) No 1272/2008

## Section 1 - Chemical Product and Company Identification

### 1.1 Product Identification:

Product Name: High pressure laminated sheet  
Product Model: /

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: High pressure laminated sheet (Refractory plate)  
Use advised against: No data available.

### 1.3 Details of the Manufacture or supplier

Manufacture: Yantai Monco Board Co., Ltd.  
Address: No.16, Huaihai Road, Nnawang Industrial Zone, Penglailai City, Shandong  
Telephone: 86-0535-5953636  
Fax: 86-0535-5953637  
Email: info@monco-board.com

### 1.4 Emergency telephone number

Emergency Telephone: 86-0535-5953636

## Section 2 - Hazards Identification

### 2.1 Classification of the substance or mixture

This product is not classified as dangerous according to the GHS (The Globally Harmonized System of Classification and Labelling of Chemicals).

### 2.2 GHS Label elements, including precautionary statements

**Pictogram(s):** No pictogram is used.  
**Signal Word:** No signal word is used.  
**Hazard Statement:** No hazard statement.  
**Precautionary statements:** No precautionary statement.

### 2.3 Description of any hazards not otherwise classified

Shanghai Changyin Testing Technology Co., Ltd

Room 1018, V6 Times Business Building, No.16, Xinyuan Road, Anting Town, Jiading District, Shanghai  
Tel: +86-021-61842208, Fax: +86-021-61842208 E-mail: qtc@changyin-lab.com, <http://www.changyin-lab.com>

No additional information available. This product is regarded as articles, safe for consumer during normal handling.

### Section 3 - Composition/Information on Ingredient

Substance ( ) Preparation ( ) Article ( ✓ )

Composition:

Chemical name	CAS No.	Content (%)
Wear-resistant paper*	-	5%
Decorative paper*	-	15%
Kraft paper*	-	40%
Melamine glue	108-78-1	19%
Phenolic Resin adhesive	9003-35-4	21%

Abbreviation: CAS No. is Chemical Abstract Service Registry Number.

\*: the main ingredient of Wear-resistant paper, Decorative paper and Kraft paper is Paper wood pulp(CAS#65996-61-4).

### Section 4 - First Aid Measures

#### 4.1 Description of first aid measures:

**Eye Contact:** Cannot be contacted by eyes, no special measures.

**Skin Contact:** Generally the product is safe for skin contact.

**Inhalation:** Cannot be inhaled normally. If inhaling dusts in production processing, Remove to fresh air and keep at rest in a position comfortable for breathing. Dust in throat and nasal passages should clear spontaneously. Contact a physician if discomfort.

**Ingestion:** Ingestion is unlikely under normal conditions. If ingested, seek medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

### Section 5 -Extinguishing media

#### 5.1 Extinguishing media

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Shanghai Changyin Testing Technology Co.,Ltd

Room 1018, V6 Times Business Building, No.16, Xinyuan Road, Anting Town, Jiading District, Shanghai  
Tel:+86-021-61842208, Fax:+86-021-61842208 E-mail:qtc@changyin-lab.com, http://www.changyin-lab.com



## 5.2 Special hazards arising from the substance or mixture

Decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides, and cyanides, etc..

## 5.3 Advice for firefighters

As in any fire, Wear self-contained breathing apparatus and full protective gear for firefighting. Stand upwind for fire fight.

## 5.4 Further information

No information available.

## Section 6 - Accidental Release Measures

For guidance on selection of personal protective equipment see Chapter 8 of this Material Safety Data Sheet. See Chapter 13 for information on disposal. Observe the relevant local and international regulations.

### 6.1 Personal precautions, protective equipment and emergency procedures:

Not required.

### 6.2 Environmental precautions:

No special environmental precaution measures required.

### 6.3 Methods and materials for containment and cleaning up:

Pick up mechanically. No special measure required.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling:

As article, no special measure required for normal consumer usage according its identified usage.

In production processing, Provide appropriate exhaust ventilation at places where dust is formed. Wear suitable protective equipment in section 8.

### 7.2 Conditions for safe storage, including any incompatibilities:

Store in cool, dry and well-ventilated place. Do not store together with strong oxidizing agent, acid. Keep away from fire and heat.

## Section 8 - Exposure Controls, Personal Protection

**8.1 Exposure Limits:** Not established by US OSHA and ACGIH.

### 8.2 Exposure controls

**Engineering Control:** General industrial hygiene practice.

**Personal protective equipment:**

**Respiratory Protection:** Not required normally. In production processing, where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks.

**Eyes Protection:** Not required normally.

**Body Protection:** Not required normally. In production, General work suit is enough.

**Hands Protection:** Not required normally. In production, General work gloves are enough.

**Other Protections:** Handle in accordance with good industrial hygiene and safety practice.

## Section 9 - Physical and Chemical Properties

### Information on basic physical and chemical properties

<b>Appearance</b>	Various(Monochrome, wood, stone pattern)sheet solid
<b>Odor</b>	Odorless
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	Not applicable as not a liquid.
<b>Evaporation rate</b>	Not applicable as not a liquid.
<b>Flammability</b>	Not flammable.
<b>Upper explosive limit %(V/V)</b>	Not applicable as not a flammable gas.
<b>Lower explosive limit %(V/V)</b>	Not applicable as not a flammable gas.
<b>Vapor pressure</b>	Not applicable.
<b>Vapor density</b>	Not applicable.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	Insoluble in water
<b>Partition coefficient: n-octanol/water</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.

## Section 10 - Stability and Reactivity

**10.1 Stability:** Stable under normal storage temperature and pressure.

**10.2 Conditions to Avoid:** Extremes of temperature, flames and mars.

**10.3 Incompatible materials:** Strong oxidizing agents, acid.

**10.4 Hazardous Decomposition Products:** Other decomposition products- no data available. In the event of fire:see section 5.

**10.5 Possibility of hazardous reactions:** None hazardous reactions known under normal condition.

## Section 11 - Toxicological Information

### Acute Toxicity:

Ingredient	CAS No.	LD50-Rat-Oral	LC50-Rat-inhalation	LD50-Rabbit-skin
Melamine glue	108-78-1	3161mg/kg	3248mg/m <sup>3</sup>	> 1000mg/kg
Phenolic Resin adhesive	9003-35-4	> 5000mg/kg	-	> 2000mg/kg(rat)

### Skin Corrosion/Irritation:

No known irritating effect.

### Serious Eye Damage/Eye Irritation:

No known irritating effect.

### Respiratory or Skin Sensitization

Phenolic Resin adhesive: May cause skin allergic reactions.

### Germ Cell Mutagenicity

Based on available data, the classification criteria are not met.

### Carcinogenicity:

None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA or the European Directive (67/548/EEC).

### Reproductive Toxicity:

Based on available data, the classification criteria are not met.

### Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System):

No known human health effects upon single exposure.

### Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System):

No known human health effects upon repeated exposure.

### Aspiration Hazard:

Based on available data, the classification criteria are not met.

### Potential Health Effects:

This product is regarded as articles, safe for consumer during normal handling.

### Inhalation:

Cannot be inhaled.

### Skin Contact:

No known irritating effect.

### Eye Contact:

No known irritating effect.

### Ingestion:

Ingestion is unlikely under normal conditions.

## Section 12 - Ecological Information

### 12.1 Toxicity

Expected to be nonhazardous to environment under normal usage.

### 12.2 Persistence and degradability

### Shanghai Changyin Testing Technology Co.,Ltd

Room 1018, V6 Times Business Building, No.16, Xinyuan Road, Anting Town, Jiading District, Shanghai  
 Tel:+86-021-61842208, Fax:+86-021-61842208 E-mail:qtc@changyin-lab.com, http://www.changyin-lab.com



No data available

### 12.3 Bioaccumulative potential

No data available

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

No known ecological damage caused by this product.

## Section 13 - Disposal Considerations

### Waste treatment methods

#### Product

Non hazardous waste. Small quantity can be disposed as household waste. As for big quantity, Observe according to the national and local related regulations.

#### Contaminated packaging

Dispose of as unused product.

## Section 14 - Transport Information

### 14.1 UN Number:

**ADR/RID, IMDG, IATA** Not regulated as dangerous goods.

### 14.2 UN proper shipping name:

**ADR/RID, IMDG, IATA** Not dangerous goods

### 14.3 Transport hazard class(es):

**ADR/RID, IMDG, IATA** Not regulated as dangerous goods.

### 14.4 Packing group:

**ADR/RID, IMDG, IATA** Not regulated as dangerous goods.

### 14.5 Environmental hazards:

No.

### 14.6 Special precautions for user:

No information available.

### Shanghai Changyin Testing Technology Co.,Ltd

Room 1018, V6 Times Business Building, No.16, Xinyuan Road, Anting Town, Jiading District, Shanghai  
Tel:+86-021-61842208, Fax:+86-021-61842208 E-mail:qtc@changyin-lab.com, http://www.changyin-lab.com

## Section 15 - Regulatory Information

### EU Regulations

These products are no substances or preparations according to Regulation(EC) No1907/2006 EC. Instead they have to be regarded as articles, no substances are intended to be released during handling. Therefore there is no obligation to supply a MSDS according to Regulation(EC) 1907/2006, Article 31.

### US Regulations

Material Safety Data Sheets (MSDS) are a sub-requirement of the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR Sub part 1910.1200. This Hazard Communication Standard does not apply to various subcategories including anything defined by OSHA as an “article”. OSHA has defined “article” as a manufactured item other than a fluid particle; (i) which is formed to a specific shape or defined during manufacture; (ii) which has end use function(s) dependent in whole or part upon its shape or design during end use; and (iii) which under normal conditions of use does not release more than very small quantities, e.g. minute or trace amounts of hazardous chemical, and does not pose a physical hazard or health risk to employees.

Because all of our batteries are defined as “articles”, they are exempted from the requirements of the Hazard Communication Standard.

### International Chemical Substances list:

CAS No.	EINEC	TSCA	DSL	IECSC	NZIoC	PICCS	KECI	AICS
65996-61-4	listed	listed	listed	listed	listed	listed	listed	listed
108-78-1	listed	listed	listed	listed	listed	listed	listed	listed
9003-35-4	listed	listed	listed	listed	listed	listed	listed	listed

Note:

EINECS: European Inventory of Existing Commercial Chemical Substances

TSCA: TSCA Chemical Substance Inventory

DSL: Canada Domestic Substance List

IECSC: Inventory of Existing Chemical Substances in China

NZIoC: New Zealand Inventory of Chemicals

PICCS: Philippines Inventory of Chemicals and Chemical Substances

KECI: Korea Existing Chemicals Inventory

AICS: Australian Inventory of Chemical Substances

## Section 16 - Additional Information

### Abbreviations:

- pH- Relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline
- OSHA- Occupational Safety and Health Administration

**Shanghai Changyin Testing Technology Co.,Ltd**

Room 1018, V6 Times Business Building, No.16, Xinyuan Road, Anting Town, Jiading District, Shanghai  
 Tel:+86-021-61842208, Fax:+86-021-61842208 E-mail:qtc@changyin-lab.com, http://www.changyin-lab.com



NTP-	National Toxicology Program
IARC-	International Agency for Research on Cancer
CAS#-	Chemical Abstract Service number - used to uniquely identify chemical compounds
ACGIH-	The American Conference of Governmental Industrial Hygienists
ADR-	Agreement on Dangerous Goods by Road
IATA -	International Air Transport Association
IMDG-	International Maritime Dangerous Goods

**Further Information:**

-This safety data sheet was prepared in accordance with UN GHS Rev.6, The EU CLP REGULATION (EC) No 1272/2008, and ANSI Z400.1.

-The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

**Department Issuing MSDS:** Yantai Monco Board Co., Ltd.

**Issue Date:** December 1, 2016