



# PT IDEC ABADI WOOD INDUSTRIES

**HEAD OFFICE**

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**JAKARTA OFFICE**

: GEDUNG HANURATA GRAHA Lt. I  
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Telp. (021) 31927490 Fax. (021) 39836451

## CERTIFICATION OF RESIN USED FOR PLYWOOD MANUFACTURING AND FOUR VIOLATED ORGANIC COMPOUNDS

TO WHOM IT MAY CONCERN :

We here by certify that resin types we use for our plywood are given below.

- ☒ U-TYPE : UREA RESIN
- ☐ M-TYPE : MELAMINE RESIN
- ☒ MU-TYPE : MELAMINE UREA RESIN
- ☐ P-TYPE : PHENOL RESIN
- ☐ R-TYPE : RESORCINOL RESIN


**NOTE :**

RESIN PRODUCT NAME	CODE NO.
UREA FORMALHDEHYDE RESIN	GUF - 2016
MELAMINE FORMALDEHYDE RESIN	GMF - 325

We under signed that our glue in plywood manufacturing does not contain the following 4 Violated Organic Compounds.

1. Toluene
2. Xylene
3. Ethylbenzene
4. Styrene

Oktober, 30<sup>TH</sup> 2019  
PT. IDEC ABADI WOOD INDUSTRIES

  
Wagino  
Head Of QC



# PT. GELORA CITRA KIMIA ABADI

## Jakarta Office:

Kobexindo Tower Lt. 5

Jl. Pasir Putih Raya Blok E-5-D

Ancol Timur, Jakarta Utara 14430, Indonesia

Tel. : +62 21 645 9747 (hunting)

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## Banjarmasin Office:

Desa Beringin RT. 010, Berangas

Kec. Alalak, Kab. Barito Kuala

Banjarmasin 70582

Kalimantan Selatan, Indonesia

Tel. : +62 811 512 0292

E-Mail : [gckahjm01@gmail.com](mailto:gckahjm01@gmail.com)

## THE DECLARATION LATTER

Gelora Citra Kimia Abadi PT production a variety of glues, Urea Glue, Melamine Glue for supplying Idec Abadi Wood Industry PT.

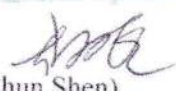
We hereby to extend The Declaration Latter that Glue which produced in our company Gelora Citra Kimia Abadi Banjarmasin – Indonesian are not of Chemicals following as:

No.	Volatile Organic Compounds	GUF – 2016	GMF – 325
1	Formaldehyde (HCHO)	Bellow 1.4%	Bellow 0.9%
2	Toluene (C <sub>6</sub> H <sub>5</sub> CH <sub>3</sub> )	0.0%	0.0%
3	Xylene ((CH <sub>3</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>4</sub> )	0.0%	0.0%
4	p-Dichlorobenzene (C <sub>6</sub> H <sub>4</sub> Cl <sub>2</sub> )	0.0%	0.0%
5	Ethyl Benzene (C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> CH <sub>3</sub> )	0.0%	0.0%
6	Styrene (C <sub>6</sub> H <sub>5</sub> CH=CH <sub>2</sub> )	0.0%	0.0%
7	Chlorpyrifos (C <sub>9</sub> H <sub>11</sub> Cl <sub>3</sub> NO <sub>3</sub> PS)	0.0%	0.0%
8	di-n-Butyl Phthalate (C <sub>16</sub> H <sub>22</sub> O <sub>4</sub> )	0.0%	0.0%
9	Tetradecane (CH <sub>3</sub> (CH <sub>2</sub> ) <sub>12</sub> CH <sub>3</sub> )	0.0%	0.0%
10	Nonanol (C <sub>9</sub> H <sub>20</sub> O)	0.0%	0.0%
11	di-(2-ethylhexyl) Phthalate (C <sub>24</sub> H <sub>38</sub> O <sub>4</sub> )	0.0%	0.0%
12	Diazinon (C <sub>12</sub> H <sub>21</sub> O <sub>3</sub> N <sub>2</sub> PS)	0.0%	0.0%
13	Acetaldehyde (CH <sub>3</sub> CHO)	0.0%	0.0%
14	Fenobucarb (C <sub>12</sub> H <sub>17</sub> NO <sub>2</sub> )	0.0%	0.0%

Banjarmasin, October 30 2019

Approved by,

PT. Gelora Citra Kimia Abadi

  
(Yu Chun Shen)



# MATERIAL SAFETY DATA SHEET (MSDS)

**PRODUCT NAME** : GUF – 2016  
**MSDS NUMBER** : M 0 0 1  
**DATE PREPARED** : September 2, 2019

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME** : GUF – 2016  
**FAMILY NAME** : UREA FORMALDEHYDE RESIN  
  
**MANUFACTURER** : GELORA CITRA KIMIA ABADI PT  
KOBEXINDO TOWER Lt. 5, Jl. PASIR PUTIH RAYA BLOK E-5-D  
ANCOL TIMUR, JAKARTA UTARA 14330, INDONESIA  
**PHONE** : +62 21 645 9747 (HUNTING)  
**FAX** : +62 21 645 9780  
**E-MAIL** : TASPLY@GMAIL.COM

## EMERGENCY ASSISTANCE :

**NAME EMERGENCY PHONE NUMBER**

GELORA CITRA KIMIA ABADI PT

**ADDRESS** : Desa Beringin RT. 010, Kecamatan Alalak Kabupaten Barito Kuala, Banjarmasin  
Kalimantan Selatan 70582 - Indonesia

**PHONE** : +62 811 512 0292

**E-MAIL** : gckabjm01@gmail.com

## 2. COMPOSITION OR INFORMATION ON INGREDIENTS

Components	CAS. No	( wt. % )	Exposure Guidelines	
			TLV. TWA (ACGIH) ( mg / m <sup>3</sup> )	PEL (OSHA) ( mg / m <sup>3</sup> )
Urea Formaldehyde Resin	5/6/9011	49.0 - 52.0	* N. E.	* N. E.
Formaldehyde	50 - 00 - 0	0.85 - 1.45	0.37	750
Methanol	67 - 56 - 1	2 - 4	262	260
Water	7732 - 18 - 5	42.7 - 46.5	* N.E	* N.E
* N.E = Not Established				

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Milky white liquid. May cause irritation to skin, eyes and respiratory tract.

Carbon dioxide, dry's chemicals, Halon foam can be used on fires.

### POTENTIAL HEALTH EFFECTS

- **EYE** : Resin and vapors of resin may be irritating to the eyes.
- **SKIN** : Frequent or prolonged contact may cause skin irritation and dermatitis.
- **INGESTION** : This product can cause gastrointestinal irritation, diarrhea, sweating, weakness and headache.
- **INHALATION** : Vapors may be irritating to the respiratory tract.

### CHRONIC EFFECT OR CARCINOGENICITY

- As concerns to formaldehyde  
NTP \*\*\* Group b, OSHA \*\*\* Potential Cancer Hazard, IARC \*\*\* Group 2A



#### 4. FIRST AID MEASURES

- EYE : Immediately flush eyes with a directed stream of water for at least 15 minutes.  
IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.
- SKIN : Wash thoroughly with soap and water to remove from skin.  
IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.
- INGESTION : Rinse mouth with water and have victim drink several glasses of water,  
then induce vomiting by having victim tickle back of throat with finger.  
SEEK MEDICAL ATTENTION IMMEDIATELY
- INHALATION : Remove to fresh air. If breathing is difficult, have trained person administer  
oxygen. If respiration stops, give mouth-to-mouth resuscitation.  
GET MEDICAL ATTENTION IMMEDIATELY.

#### NOTE TO PHYSICIANS :

Treat symptomatically.

Treatment may vary with condition of victim and specifics of incident

#### 5. FIRE FIGHTING MEASURES

##### FLAMMABLE PROPERTIES :

Flash Point : 64 °C

##### EXTINGUISHING MEDIA

Use carbon dioxide or dry chemical.

##### FIRE & EXPLOSION HAZARDS

Organic vapor can be explosive when ideal conditions of concentration.

##### FIRE FIGHTING EQUIPMENT

Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by fire-fighters.

#### 6. ACCIDENTAL RELEASE MEASURES

Sweep or vacuum spills. Wear proper protective equipment.

To minimize vapor, vacuum cleaning is preferred.

#### 7. HANDLING AND STORAGE

HANDLING : Keep container closed for preventing accumulations. Handle and open container with care. After using this product, wash hands.

STORAGE : Store in a cool (lower than 30 °C), dry place to avoid effect of heat and moisture on resin.

#### 8. EXPOSURE CONTROLS OR PERSONAL PROTECTION

##### PERSONAL PROTECTIVE EQUIPMENT (PPE) RESPIRATORY PROTECTION :

Wear a safety mask to protect from vapor.

##### EYE PROTECTION :

Wear safety glasses with side shield or chemical safety goggles.

##### SKIN PROTECTION :

Wear impervious gloves such as polychloroprene-nitrile rubber (chemical gloves)

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: Milky white homogeneous suspension without impurities
ODOR	: Specific odor of formaldehyde
BOILING POINT	: Not Applicable
VAPOR PRESSURE	: 100 mmHg (21.2 °C, Methanol 1.3 mmHg (20 °C, 37 % Formaldehyde)
VAPOR DENSITY	: Not Applicable
FREEZING AND MELTING POINT	: Not Applicable
SOLUBILITY IN WATER	: 2 times and Over
SPECIFIC GRAVITY AT 30 °C	: 1.184 - 1.204 gr/cm <sup>3</sup>
VISCOSITAS AT 30 °C	: 50 - 180 cPs

## 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: (CONDITION TO VOID)

Avoid exposing this product to high temperature and or moisture affects product performance.

INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID)

Avoid strong oxidizing agents and strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS:

Combustion can provide carbon dioxide, carbon monoxide, and nitrogen compounds Solvent vapor can be irritating to the eyes, skin and respiratory tract.

HAZARDOUS POLYMERRIZATION:

Not known to undergo hazardous polymerization.

## 11. TOXICOLOGICAL INFORMATION

Formaldehyde	: ihl-rat * * * LC <sub>50</sub> = 208 mg/ms, orl rat * * * LD <sub>50</sub> = 100 mg/kg
Methanol	: ihl-rat * * * LC <sub>50</sub> = 64000 ppm/4h, orl rat * * * LD <sub>50</sub> = 5628 mg/kg

(Data are referred from RTECS)

## 12. ECOLOGICAL INFORMATION

No Information available for this product.

## 13. DISPOSAL CONSIDERATION

Dispose of this product in accordance with federal, state and local environmental control regulation.  
Do not flush into the sewer.

## 14. TRANSPORT INFORMATION

Follow all regulation in your country.

## 15. REGULATORY INFORMATION

Follow all regulation in your country.

## 16. OTHER INFORMATION

No specific notes.

**DATA PREPARED by : Product Development and Quality Control Division**  
**GELORA CITRA KIMIA ABADI PT**  
**BANJARMASIN – INDONESIA**

The information presented herein was prepared for your reference in the best of our knowledge it is given in good faith but no warranty expressed or implied made.

*Current Issue: September 2, 2019*





# MATERIAL SAFETY DATA SHEET (MSDS)

**PRODUCT NAME** : GMF – 325  
**MSDS NUMBER** : M 0 0 2  
**DATE PREPARED** : September 2, 2019

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME** : GMF – 325  
**FAMILY NAME** : MELAMINE FORMALDEHYDE RESIN  
**MANUFACTURER** : GELORA CITRA KIMIA ABADI PT  
KOBEXINDO TOWER Lt. 5, JL PASIR PUTIH RAYA BLOK E-5-D  
ANCOL TIMUR, JAKARTA UTARA 14330, INDONESIA  
**PHONE** : +62 21 645 9747 (HUNTING)  
**FAX** : +62 21 645 9780  
**E-Mail** : TASPLY@GMAIL.COM

### EMERGENCY ASSISTANCE :

**NAME EMERGENCY PHONE NUMBER**

GELORA CITRA KIMIA ABADI PT

**ADDRESS** : Desa Beringin RT. 010, Kecamatan Alalak Kabupaten Barito Kuala, Banjarmasin  
Kalimantan Selatan 70582 - Indonesia

**PHONE** : +62 811 512 0292

**E-Mail** : gckabjm01@gmail.com

## 2. COMPOSITION OR INFORMATION ON INGREDIENTS

Components	CAS. No	(wt. %)	Exposure Guidelines	
			TLV. TWA (ACGIH) ( mg/m <sup>3</sup> )	PEL (OSHA) ( mg/m <sup>3</sup> )
Melamine Formaldehyde Resin	5/6/9011	55.0 – 57.5	* N. E.	* N. E.
Formaldehyde	50 - 00 - 0	0.6 – 1.2	0.37	750
Methanol	67 - 56 - 1	5.0 – 7.0	262	260
Water	7732 - 18 - 5	34.3 – 39.4	* N.E	* N.E
* N.E = Not Established				

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

Milky white liquid. May cause irritation to skin, eyes and respiratory tract.

Carbon dioxide, dry's chemicals, Halon foam can be used on fires.

### POTENTIAL HEALTH EFFECTS

- **EYE** : Resin and vapors of resin may be irritating to the eyes.
- **SKIN** : Frequent or prolonged contact may cause skin irritation and dermatitis.
- **INGESTION** : This product can cause gastrointestinal irritation, diarrhea, sweating, weakness and headache.
- **INHALATION** : Vapors may be irritating to the respiratory tract.

### CHRONIC EFFECT OR CARCINOGENCITY

- As concerns to formaldehyde  
NTP \*\*\* Group b, OSHA \*\*\* Potential Cancer Hazard, IARC \*\*\* Group 2A

## 4. FIRST AID MEASURES

- **EYE** : Immediately flush eyes with a directed stream of water for at least 15 minutes.  
IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.
- **SKIN** : Wash thoroughly with soap and water to remove from skin.  
IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.
- **INGESTION** : Rinse mouth with water and have victim drink several glasses of water,  
then induce vomiting by having victim tickle back of throat with finger.  
SEEK MEDICAL ATTENTION IMMEDIATELY
- **INHALATION** : Remove to fresh air. If breathing is difficult, have trained person administer  
oxygen. If respiration stops, give mouth-to-mouth resuscitation.  
GET MEDICAL ATTENTION IMMEDIATELY.

**NOTE TO PHYSICIANS :**

Treat symptomatically.

Treatment may vary with condition of victim and specifics of incident

**5. FIRE FIGHTING MEASURES**

**FLAMMABLE PROPERTIES :**

Flash Point : 64 °C

**EXTINGUISHING MEDIA**

Use carbon dioxide or dry chemical.

**FIRE & EXPLOSION HAZARDS**

Organic vapor can be explosive under ideal conditions of concentration.

**FIRE FIGHTING EQUIPMENT**

Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by fire-fighters.

**6. ACCIDENTAL RELEASE MEASURES**

Sweep or vacuum spills. Wear proper protective equipment.

To minimize vapor, vacuum cleaning is preferred.

**7. HANDLING AND STORAGE**

**HANDLING** : Keep container closed for preventing accumulations. Handle and open container with care. After using this product, wash hands.

**STORAGE** : Store in a cool (lower than 30 °C), dry place to avoid effect of heat and moisture on resin.

**8. EXPOSURE CONTROLS OR PERSONAL PROTECTION**

**PERSONAL PROTECTIVE EQUIPMENT (PPE) RESPIRATORY PROTECTION :**

Wear a safety mask to protect from vapor.

**EYE PROTECTION :**

Wear safety glasses with side shield or chemical safety goggles.

**SKIN PROTECTION :**

Wear impervious gloves such as poly chloroprene-nitrile rubber (chemical gloves)



## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	: Clear homogeneous suspension without impurities
ODOR	: Specific odor of formaldehyde
BOILING POINT	: Not Applicable
VAPOR PRESSURE	: 100 mmHg (21.2 °C, Methanol) 1.3 mmHg (20 °C, 37 % Formaldehyde)
VAPOR DENSITY	: Not Applicable
FREEZING AND MELTING POINT	: Not Applicable
SOLUBILITY IN WATER	: 1 times and Over
SPECIFIC GRAVITY AT 30 °C	: 1.212 - 1.232 gr/cm <sup>3</sup>
VISCOSITAS AT 30 °C	: 40 - 200 centipoise

## 10. STABILITY AND REACTIVITY

### CHEMICAL STABILITY: (CONDITION TO VOID)

Avoid exposing this product to high temperature and or moisture affects product performance.

### INCOMPATIBILITY: (SPECIFIC MATERIALS TO AVOID)

Avoid strong oxidizing agents and strong acids.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Combustion can provide carbon dioxide, carbon monoxide, and nitrogen compounds Solvent vapor can be irritating to the eyes, skin and respiratory tract.

### HAZARDOUS POLYMERRIZATION:

Not known to undergo hazardous polymerization.

## 11. TOXICOLOGICAL INFORMATION

Formaldehyde	: ihl-rat * * * LC <sub>50</sub> = 208 mg/ms, orl rat * * * LD <sub>50</sub> = 100 mg/kg
Methanol	: ihl-rat * * * LC <sub>50</sub> = 64000 ppm/4h, orl rat * * * LD <sub>50</sub> = 5628 mg/kg

(Data are referred from RTECS)

## 12. ECOLOGICAL INFORMATION

No Information available for this product.

## 13. DISPOSAL CONSIDERATION

Dispose of this product in accordance with federal, state and local environmental control regulation.  
Do not flush into the sewer.

## 14. TRANSPORT INFORMATION

Follow all regulation in your country.

## 15. REGULATORY INFORMATION

Follow all regulation in your country.

## 16. OTHER INFORMATION

No specific notes.

**DATA PREPARED by : Product Development and Quality Control Division**  
**GELORA CITRA KIMIA ABADI PT**  
**BANJARMASIN – INDONESIA**

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