



## MATERIAL SAFETY DATA SHEET

### Siam Kraft Industry Co., Ltd.

**Address :**

1 Siam Cement Rd.,  
Bangsue, Bangkok 10800 Thailand

**Website:**

<http://www.siamkraft.com>

**Emergency Contact :**

Tel. (+66)2586-6206, (+66)2586-4630  
Fax. (+66)2586-2741

**Feedback :**

Tel. (+66)2586-3456

### 1. PRODUCT IDENTIFICATION

PRODUCT NAME / GRADE ..... KA-ConfiDenz125  
 PRODUCT CATEGORY ..... Kraft-Top Liner  
 PRODUCT APPLICATION..... Suitable for liner of corrugated carton  
 Not intended for direct contact with "Food" and  
 "Pharmaceutical" products

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredients                                                                | % approx. | CAS Number  |
|----------------------------------------------------------------------------|-----------|-------------|
| Recycled Pulp                                                              | 70 – 85   | 9004-34-6   |
| Virgin Pulp                                                                | 15 – 25   | 9004-34-6   |
| Starch                                                                     | < 5       | 9005-25-8   |
| Alum (Aluminium Sulfate, Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> ) |           | 10043-01-3  |
| Sizing agent                                                               |           | Proprietary |
| Dyes                                                                       |           | Proprietary |

### 3. PHYSICAL PROPERTIES

BASIS WEIGHT ..... 120 - 130 gsm.  
 MINIMUM BURSTING STRENGTH ..... 390 kPa  
 MINIMUM RING CRUSH ..... 160 N/152.4 mm  
 MAXIMUM 30 MINUTES COBB VALUE (TOP)..... 155 g/m<sup>2</sup>  
 COBB VALUE (TOP) ..... 30 - 100 g/m<sup>2</sup>  
 COBB VALUE (BOTTOM) ..... 40 - 120 g/m<sup>2</sup>  
 MOISTURE CONTENT ..... 6 - 10 %  
 PHYSICAL FORM..... Solid  
 APPEARANCE SHADE ..... Golden yellow  
 SPECIFICATION (Testing Condition: 65 ± 2 %RH, 27 ± 1°C)



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#### 4. FIRE-FIGHTING MEASURES

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|                                |                                                                                                          |
|--------------------------------|----------------------------------------------------------------------------------------------------------|
| FLASH POINT (METHOD USED)..... | Not Applicable                                                                                           |
| FLAMMABLE LIMIT.....           | Not Applicable                                                                                           |
| AUTO-IGNITION TEMPERATURE..... | Not Applicable                                                                                           |
| FIRE PREVENTION.....           | Store in ventilated areas and sufficient distance<br>from high temperature, heat sources, or open flame. |
| FIRE EXTINGUISH AGENT .....    | Waterspray, Fire Extinguisher Foam/Powder,<br>Carbon Dioxide                                             |
| FIRE / EXPLOSION HAZARD .....  | None                                                                                                     |

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#### 5. STABILITY AND REACTIVITY

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|                          |                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------|
| STABILITY.....           | Stable                                                                                                   |
| CONDITIONS TO AVOID..... | Keep away from ignition sources (e.g., heat,<br>sparks, and open flames.) or high moisture<br>condition. |
| MATERIALS TO AVOID.....  | Not Applicable                                                                                           |
| HAZARDOUS REACTION.....  | Not Applicable                                                                                           |

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#### 6. Emergency and First-Aid Measures

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|                      |                                                                                                                                                                                                                                                                               |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin Contact:</b> | If irritation occur, wash with soap and water adequately.<br>Remove clothes contaminated with dust. If a rash or persistent<br>irritation or dermatitis occur, get medical attention where applicable.<br>Avoid to clean with alcohol, because it may induce more irritation. |
| <b>Inhalation:</b>   | No harmful effects expected.<br>If irritation or discomfort occur, remove individual to fresh air                                                                                                                                                                             |
| <b>Eye Contact:</b>  | No harmful effects expected. Dust may mechanically irritate the eyes.<br>Flush with plenty of running clean water to remove dust particles.<br>Get medical help if irritation persists.                                                                                       |
| <b>Ingestion:</b>    | No harmful effects expected.<br>If ingested, drink a large amount of water and consult a physician<br>if has a gastrointestinal disorder.                                                                                                                                     |

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#### 7. HAZARDOUS IDENTIFICATION

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Paper is an substance which has been exempted as hazardous by OSHA 1910.1200. However, subsequent applications such as handling and/or converting could induce the release of paper (cellulose) dust or fibers.

**Appearance and Odor:** The products are odorless packaging papers.

**Primary Health Hazards:** May cause allergic contact in dust / paper(cellulose) dust sensitized individuals.

**Primary Route (s) of Exposure:**

- Skin** : May cause allergic contact dermatitis in sensitized individuals.
- Inhalation** : May cause respiratory sensitization and/or irritation.
- Eyes** : May cause eye irritation.
- Ingestion** : Not applicable.



**Medical Conditions Generally Aggravated by Exposure:** Cellulose dust may aggravate pre-existing respiratory conditions or allergies.

WARNING! - Use of protective safety mask / clothing / sleeve / gloves / safety spectacles are recommended especially for dust-sensitized individuals.

- Paper edge may be sharp.

**Signs and Symptoms of Exposure:**

Acute Health Effects: Dust may be a mechanical irritant to the eyes and may induce some respiratory sensitization such as sneezing, wheezing, coughing.

Chronic Health Effects: Paper (cellulose) dust is a biologically inert dust that has little or no effect on the lungs and does not produce significant organic disease or toxic effect when allowable exposure limits are met.

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### 8.HANDLING AND STORAGE

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STORAGE FACILITIES ..... Store in adequate ventilated areas and away from heat or ignition sources. Avoid smoking in storage or working areas.

STORAGE CONDITION ..... No special conditions  
Avoid excessive humidity  
Avoid excessive direct sunlight exposure

HANDLING CONDITION ..... When stacking the roll-paper products, the roll end should be placed levelly in order to avoid roll falling and/or rolling. The number of roll stacking should be appropriate to a clamp lift truck model as well as the height and the limit weight ability of a storage area for safety handling.

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### 9. DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD..... Disposed as trade waste in accordance with local authority guidelines. The waste paper or discarded paper can be recycled.

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### 10. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Total Dust -  $\leq 15 \text{ mg/m}^3$  (reference: OSHA)**

**PERSONAL PROTECTIVE EQUIPMENTS:**

**Respiratory Protection** – An approved filtering facepiece respirator (“dust mask”) is recommended when allowable exposure limits may be exceeded or to provide additional worker comfort.

**Eye Protection** – Goggles or safety glasses are recommended if the product is used in such a way as to generate high dust levels.

**Skin Protection** – Gloves and sleeves are recommended for reduce dust / paper dust contact. Paper edges may be sharp and present a hazard depending on handling.

**Other Protective Clothing or Equipment** – Not typically applicable for product in purchased form. Outer garments may be desirable in extremely dusty areas.

**Work/Hygiene Practices** – Keep work area clean.

**VENTILATION:**

**Special** – None





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**Feedback :**

Tel. (+66)2586-3456

### 1. PRODUCT IDENTIFICATION

PRODUCT NAME / GRADE ..... KT-Total125  
 PRODUCT CATEGORY ..... Testliner  
 PRODUCT APPLICATION..... Suitable for liner of corrugated carton  
 Not intended for direct contact with "Food" and  
 "Pharmaceutical" products

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredients                                                                | % approx. | CAS Number  |
|----------------------------------------------------------------------------|-----------|-------------|
| Recycled Pulp                                                              | 95 - 100  | 9004-34-6   |
| Starch                                                                     | < 5       | 9005-25-8   |
| Alum (Aluminium Sulfate, Al <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> ) |           | 10043-01-3  |
| Sizing agent                                                               |           | Proprietary |
| Dyes                                                                       |           | Proprietary |

### 3. PHYSICAL PROPERTIES

BASIS WEIGHT ..... 120 - 130 gsm.  
 MINIMUM BURSTING STRENGTH ..... 275 kPa  
 MINIMUM RING CRUSH ..... 140 N/152.4 mm  
 COBB VALUE (TOP) ..... 30 - 100 g/m<sup>2</sup>  
 COBB VALUE (BOTTOM) ..... 40 - 150 g/m<sup>2</sup>  
 MOISTURE CONTENT ..... 6 - 10 %  
 PHYSICAL FORM..... Solid  
 APPEARANCE SHADE ..... Brown  
 SPECIFICATION (Testing Condition: 65 ± 2 %RH, 27 ± 1°C)



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#### 4. FIRE-FIGHTING MEASURES

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|                                |                                                                                                          |
|--------------------------------|----------------------------------------------------------------------------------------------------------|
| FLASH POINT (METHOD USED)..... | Not Applicable                                                                                           |
| FLAMMABLE LIMIT.....           | Not Applicable                                                                                           |
| AUTO-IGNITION TEMPERATURE..... | Not Applicable                                                                                           |
| FIRE PREVENTION.....           | Store in ventilated areas and sufficient distance<br>from high temperature, heat sources, or open flame. |
| FIRE EXTINGUISH AGENT .....    | Waterspray, Fire Extinguisher Foam/Powder,<br>Carbon Dioxide                                             |
| FIRE / EXPLOSION HAZARD .....  | None                                                                                                     |

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#### 5. STABILITY AND REACTIVITY

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|                          |                                                                                                          |
|--------------------------|----------------------------------------------------------------------------------------------------------|
| STABILITY.....           | Stable                                                                                                   |
| CONDITIONS TO AVOID..... | Keep away from ignition sources (e.g., heat,<br>sparks, and open flames.) or high moisture<br>condition. |
| MATERIALS TO AVOID.....  | Not Applicable                                                                                           |
| HAZARDOUS REACTION.....  | Not Applicable                                                                                           |

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#### 6. Emergency and First-Aid Measures

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|                      |                                                                                                                                                                                                                                                                               |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Skin Contact:</b> | If irritation occur, wash with soap and water adequately.<br>Remove clothes contaminated with dust. If a rash or persistent<br>irritation or dermatitis occur, get medical attention where applicable.<br>Avoid to clean with alcohol, because it may induce more irritation. |
| <b>Inhalation:</b>   | No harmful effects expected.<br>If irritation or discomfort occur, remove individual to fresh air                                                                                                                                                                             |
| <b>Eye Contact:</b>  | No harmful effects expected. Dust may mechanically irritate the eyes.<br>Flush with plenty of running clean water to remove dust particles.<br>Get medical help if irritation persists.                                                                                       |
| <b>Ingestion:</b>    | No harmful effects expected.<br>If ingested, drink a large amount of water and consult a physician<br>if has a gastrointestinal disorder.                                                                                                                                     |

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#### 7. HAZARDOUS IDENTIFICATION

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Paper is an substance which has been exempted as hazardous by OSHA 1910.1200. However, subsequent applications such as handling and/or converting could induce the release of paper (cellulose) dust or fibers.

**Appearance and Odor:** The products are odorless packaging papers.

**Primary Health Hazards:** May cause allergic contact in dust / paper(cellulose) dust sensitized individuals.

**Primary Route (s) of Exposure:**

- Skin** : May cause allergic contact dermatitis in sensitized individuals.
- Inhalation** : May cause respiratory sensitization and/or irritation.
- Eyes** : May cause eye irritation.
- Ingestion** : Not applicable.



**Medical Conditions Generally Aggravated by Exposure:** Cellulose dust may aggravate pre-existing respiratory conditions or allergies.

WARNING! - Use of protective safety mask / clothing / sleeve / gloves / safety spectacles are recommended especially for dust-sensitized individuals.

- Paper edge may be sharp.

**Signs and Symptoms of Exposure:**

Acute Health Effects: Dust may be a mechanical irritant to the eyes and may induce some respiratory sensitization such as sneezing, wheezing, coughing.

Chronic Health Effects: Paper (cellulose) dust is a biologically inert dust that has little or no effect on the lungs and does not produce significant organic disease or toxic effect when allowable exposure limits are met.

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### 8.HANDLING AND STORAGE

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STORAGE FACILITIES ..... Store in adequate ventilated areas and away from heat or ignition sources. Avoid smoking in storage or working areas.

STORAGE CONDITION ..... No special conditions  
Avoid excessive humidity  
Avoid excessive direct sunlight exposure

HANDLING CONDITION ..... When stacking the roll-paper products, the roll end should be placed levelly in order to avoid roll falling and/or rolling. The number of roll stacking should be appropriate to a clamp lift truck model as well as the height and the limit weight ability of a storage area for safety handling.

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### 9. DISPOSAL CONSIDERATIONS

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WASTE DISPOSAL METHOD..... Disposed as trade waste in accordance with local authority guidelines. The waste paper or discarded paper can be recycled.

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### 10. EXPOSURE CONTROLS / PERSONAL PROTECTION

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**Total Dust -  $\leq 15 \text{ mg/m}^3$  (reference: OSHA)**

**PERSONAL PROTECTIVE EQUIPMENTS:**

**Respiratory Protection** – An approved filtering facepiece respirator (“dust mask”) is recommended when allowable exposure limits may be exceeded or to provide additional worker comfort.

**Eye Protection** – Goggles or safety glasses are recommended if the product is used in such a way as to generate high dust levels.

**Skin Protection** – Gloves and sleeves are recommended for reduce dust / paper dust contact. Paper edges may be sharp and present a hazard depending on handling.

**Other Protective Clothing or Equipment** – Not typically applicable for product in purchased form. Outer garments may be desirable in extremely dusty areas.

**Work/Hygiene Practices** – Keep work area clean.

**VENTILATION:**

**Special** – None







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**Feedback :**

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### 1. PRODUCT IDENTIFICATION

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PRODUCT NAME / GRADE ..... CA 125  
 PRODUCT CATEGORY ..... Corrugating Medium Paper  
 PRODUCT APPLICATION..... Suitable for medium of corrugated carton  
 Not intended for direct contact with "Food" and  
 "Pharmaceutical" products

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

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| Ingredients            | % approx. | CAS Number |
|------------------------|-----------|------------|
| Recycled Pulp and Chip | 95 - 100  | 9004-34-6  |
| Starch                 | < 5       | 9005-25-8  |

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### 3. PHYSICAL PROPERTIES

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BASIS WEIGHT..... 120 - 130 gsm  
 MINIMUM CMT..... 230 N  
 MINIMUM RING CRUSH..... 140 N/152.4 mm  
 MOISTURE CONTENT..... 6 - 9 %  
 PHYSICAL FORM..... Solid  
 APPEARANCE SHADE..... N.A.  
 SPECIFICATION (Testing Condition: 65 ± 2 %RH, 27 ± 1°C)

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### 4. FIRE-FIGHTING MEASURES

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FLASH POINT (METHOD USED)..... Not Applicable  
 FLAMMABLE LIMIT..... Not Applicable  
 AUTO-IGNITION TEMPERATURE..... Not Applicable  
 FIRE PREVENTION..... Store in ventilated areas and sufficient distance  
 from high temperature, heat sources, or open flame.



FIRE EXTINGUISH AGENT .....Waterspray, Fire Extinguisger Foam/Powder,  
Carbon Dioxide  
FIRE / EXPLOSION HAZARD .....None

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### 5. STABILITY AND REACTIVITY

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STABILITY..... Stable  
CONDITIONS TO AVOID..... Keep away from ignition sources (e.g., heat,  
sparks, and open flames.) or high moisture  
condition.  
MATERIALS TO AVOID..... Not Applicable  
HAZARDOUS REACTION..... Not Applicable

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### 6. Emergency and First-Aid Measures

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**Skin Contact:** If irritation occur, wash with soap and water adequately.  
Remove clothes contaminated with dust. If a rash or persistent  
irritation or dermatitis occur, get medical attention where applicable.  
Avoid to clean with alcohol, because it may induce more irritation.

**Inhalation:** No harmful effects expected.  
If irritation or discomfort occur, remove individual to fresh air

**Eye Contact:** No harmful effects expected. Dust may mechanically irritate the eyes.  
Flush with plenty of running clean water to remove dust particles.  
Get medical help if irritation persists.

**Ingestion:** No harmful effects expected.  
If ingested, drink a large amount of water and consult a physician  
if has a gastrointestinal disorder.

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### 7. HAZARDOUS IDENTIFICATION

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Paper is an substance which has been exempted as harzadous by OSHA 1910.1200. However,  
subsequent applications such as handling and/or converting could induce the release of paper  
(cellulose) dust or fibers.

**Appearance and Odor:** The products are odorless packaging papers.

**Primary Health Hazards:** May cause allergic contact in dust / paper(cellulose) dust sensitized individuals.

**Primary Route (s) of Exposure:**

- **Skin :** May cause allergic contact dermatitis in sensitized individuals.
- **Inhalation :** May cause respiratory sensitization and/or irritation.
- **Eyes :** May cause eye irritation.
- **Ingestion :** Not applicable.

**Medical Conditions Generally Aggravated by Exposure:** Cellulose dust may aggravate pre-existing  
respiratory conditions or allergies.

WARNING! - Use of protective safety mask / clothing / sleeve / gloves / safety spectacles are recommended  
especially for dust-sensitized individuals.  
- Paper edge may be sharp.



**Signs and Symptoms of Exposure:**

Acute Health Effects: Dust may be a mechanical irritant to the eyes and may induce some respiratory sensitization such as sneezing, wheezing, coughing.

Chronic Health Effects: Paper (cellulose) dust is a biologically inert dust that has little or no effect on the lungs and does not produce significant organic disease or toxic effect when allowable exposure limits are met.

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**8.HANDLING AND STORAGE**

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STORAGE FACILITIES ..... Store in adequate ventilated areas and away from heat or ignition sources. Avoid smoking in storage or working areas.

STORAGE CONDITION ..... No special conditions  
Avoid excessive humidity  
Avoid excessive direct sunlight exposure

HANDLING CONDITION ..... When stacking the roll-paper products, the roll end should be placed levelly in order to avoid roll falling and/or rolling. The number of roll stacking should be appropriate to a clamp lift truck model as well as the height and the limit weight ability of a storage area for safety handling.

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**9. DISPOSAL CONSIDERATIONS**

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WASTE DISPOSAL METHOD..... Disposed as trade waste in accordance with local authority guidelines. The waste paper or discarded paper can be recycled.

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**10. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Total Dust -  $\leq 15 \text{ mg/m}^3$  (reference: OSHA)**

**PERSONAL PROTECTIVE EQUIPMENTS:**

**Respiratory Protection** – An approved filtering facepiece respirator (“dust mask”) is recommended when allowable exposure limits may be exceeded or to provide additional worker comfort.

**Eye Protection** – Goggles or safety glasses are recommended if the product is used in such a way as to generate high dust levels.

**Skin Protection** – Gloves and sleeves are recommended for reduce dust / paper dust contact. Paper edges may be sharp and present a hazard depending on handling.

**Other Protective Clothing or Equipment** – Not typically applicable for product in purchased form. Outer garments may be desirable in extremely dusty areas.

**Work/Hygiene Practices** – Keep work area clean.

**VENTILATION:**

**Special** – None

**Other** – None

Work in adequate ventilated areas to reduce dust accumulation and for hygienic environment

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**11. ACCIDENTAL RELEASE MEASURE**

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LEAK AND SPILL PROCEDURES.....Not applicable for product in purchased form



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**12. TOXICOLOGY INFORMATION**

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TOXICITY DATA..... Not Applicable  
Not intended for direct contact with "Food" and  
"Pharmaceutical" products

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**13. ECOLOGICAL INFORMATION**

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ECOLOGICAL DATA..... Not Applicable

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**14. Transport Information**

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SPECIAL SHIPPING INFORMATION..... These products are not regulated as  
dangerous goods. No special transport  
requirements are necessary.

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**15. REGULATORY INFORMATION**

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REGULATORY DATA..... Not Applicable

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**16. OTHER INFORMATION**

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Information and guidance on safety data sheets for these products are made of knowledge and experience in occupational health and safety of the experts and according to reliable sources. It is the responsibility of users themselves to decide whether this information ideal for use and is based on the warnings which is introduced or not. This information is valid at the time of preparation. If implemented, the user must ensure that, this information has been updated to the present and interpret the data correctly. If any further information is needed, please contact to tel. no. +662 586 6206 or +662 586 4630

**ISSUE DATE:** 01/09/2013

**PREPARED BY:** Technical Service Department

**Approve by:** \_\_\_\_\_

Technical Service Department Manager





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### 1. PRODUCT IDENTIFICATION

PRODUCT NAME / GRADE ..... CA 105  
 PRODUCT CATEGORY ..... Corrugating Medium Paper  
 PRODUCT APPLICATION..... Suitable for medium of corrugated carton  
 Not intended for direct contact with "Food" and  
 "Pharmaceutical" products

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

| Ingredients            | % approx. | CAS Number |
|------------------------|-----------|------------|
| Recycled Pulp and Chip | 95 - 100  | 9004-34-6  |
| Starch                 | < 5       | 9005-25-8  |

### 3. PHYSICAL PROPERTIES

BASIS WEIGHT..... 100.8 - 109.2 gsm  
 MINIMUM CMT..... 160 N  
 MINIMUM RING CRUSH..... 85 N/152.4 mm  
 MOISTURE CONTENT..... 6 - 9 %  
 PHYSICAL FORM..... Solid  
 APPEARANCE SHADE..... N.A.  
 SPECIFICATION (Testing Condition: 65 ± 2 %RH, 27 ± 1°C)

### 4. FIRE-FIGHTING MEASURES

FLASH POINT (METHOD USED)..... Not Applicable  
 FLAMMABLE LIMIT..... Not Applicable  
 AUTO-IGNITION TEMPERATURE..... Not Applicable  
 FIRE PREVENTION..... Store in ventilated areas and sufficient distance  
 from high temperature, heat sources, or open flame.



FIRE EXTINGUISH AGENT .....Waterspray, Fire Extinguisger Foam/Powder,  
Carbon Dioxide  
FIRE / EXPLOSION HAZARD .....None

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### 5. STABILITY AND REACTIVITY

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STABILITY..... Stable  
CONDITIONS TO AVOID..... Keep away from ignition sources (e.g., heat,  
sparks, and open flames.) or high moisture  
condition.  
MATERIALS TO AVOID..... Not Applicable  
HAZARDOUS REACTION..... Not Applicable

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### 6. Emergency and First-Aid Measures

---

**Skin Contact:** If irritation occur, wash with soap and water adequately.  
Remove clothes contaminated with dust. If a rash or persistent  
irritation or dermatitis occur, get medical attention where applicable.  
Avoid to clean with alcohol, because it may induce more irritation.

**Inhalation:** No harmful effects expected.  
If irritation or discomfort occur, remove individual to fresh air

**Eye Contact:** No harmful effects expected. Dust may mechanically irritate the eyes.  
Flush with plenty of running clean water to remove dust particles.  
Get medical help if irritation persists.

**Ingestion:** No harmful effects expected.  
If ingested, drink a large amount of water and consult a physician  
if has a gastrointestinal disorder.

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### 7. HAZARDOUS IDENTIFICATION

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Paper is an substance which has been exempted as harzadous by OSHA 1910.1200. However,  
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(cellulose) dust or fibers.

**Appearance and Odor:** The products are odorless packaging papers.

**Primary Health Hazards:** May cause allergic contact in dust / paper(cellulose) dust sensitized individuals.

**Primary Route (s) of Exposure:**

- **Skin :** May cause allergic contact dermatitis in sensitized individuals.
- **Inhalation :** May cause respiratory sensitization and/or irritation.
- **Eyes :** May cause eye irritation.
- **Ingestion :** Not applicable.

**Medical Conditions Generally Aggravated by Exposure:** Cellulose dust may aggravate pre-existing  
respiratory conditions or allergies.

WARNING! - Use of protective safety mask / clothing / sleeve / gloves / safety spectacles are recommended  
especially for dust-sensitized individuals.  
- Paper edge may be sharp.



**Signs and Symptoms of Exposure:**

Acute Health Effects: Dust may be a mechanical irritant to the eyes and may induce some respiratory sensitization such as sneezing, wheezing, coughing.

Chronic Health Effects: Paper (cellulose) dust is a biologically inert dust that has little or no effect on the lungs and does not produce significant organic disease or toxic effect when allowable exposure limits are met.

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**8.HANDLING AND STORAGE**

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---

STORAGE FACILITIES ..... Store in adequate ventilated areas and away from heat or ignition sources. Avoid smoking in storage or working areas.

STORAGE CONDITION ..... No special conditions  
 Avoid excessive humidity  
 Avoid excessive direct sunlight exposure

HANDLING CONDITION ..... When stacking the roll-paper products, the roll end should be placed levelly in order to avoid roll falling and/or rolling. The number of roll stacking should be appropriate to a clamp lift truck model as well as the height and the limit weight ability of a storage area for safety handling.

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**9. DISPOSAL CONSIDERATIONS**

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WASTE DISPOSAL METHOD..... Disposed as trade waste in accordance with local authority guidelines. The waste paper or discarded paper can be recycled.

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**10. EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**Total Dust -  $\leq 15 \text{ mg/m}^3$  (reference: OSHA)**

**PERSONAL PROTECTIVE EQUIPMENTS:**

**Respiratory Protection** – An approved filtering facepiece respirator (“dust mask”) is recommended when allowable exposure limits may be exceeded or to provide additional worker comfort.

**Eye Protection** – Goggles or safety glasses are recommended if the product is used in such a way as to generate high dust levels.

**Skin Protection** – Gloves and sleeves are recommended for reduce dust / paper dust contact. Paper edges may be sharp and present a hazard depending on handling.

**Other Protective Clothing or Equipment** – Not typically applicable for product in purchased form. Outer garments may be desirable in extremely dusty areas.

**Work/Hygiene Practices** – Keep work area clean.

**VENTILATION:**

**Special** – None

**Other** – None

Work in adequate ventilated areas to reduce dust accumulation and for hygienic environment

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**11. ACCIDENTAL RELEASE MEASURE**

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LEAK AND SPILL PROCEDURES.....Not applicable for product in purchased form

