

# MATERIAL SAFETY DATA SHEET

accordance with 2001/58/EC

## SINARWHITE (C1S) – SA

Revision Date: 01.06.2007

### 1. IDENTIFICATION OF SUBSTANCE

Identification of the substance **SINARWHITE (C1S) – SA**  
 Use of the substance **Point-of-purchase displays, posters, exhibits, tobacco packaging**

#### Company Identification

**PT. INDAH KIAT PULP & PAPER Tbk.**  
**JL. Raya Serang Km. 76 Desa Kragilan/ Sentul Kec. Kragilan**  
**Serang 42184 Banten – Indonesia**  
**P.O. Box 8 Kragilan**  
**Phone : 62 254 280088, 281988**  
**Fax. : 62 254 282430, 282431, 282432, 282433**  
**www.ikserang.com**

### 2. COMPOSITION

Virgin pulp **Chemical Pulp 100%**  
**LBKP (Laubholz Bleach Kraft Pulp )**  
**NBKP (Northern Bleach Kraft Pulp)**  
**wood sourcing from well managed forests**

Coating **Top side (double coating): min. 20 gsm**  
**Back side: light weight coating**  
**CaCO<sub>3</sub>, Clay, Latex, Additive**

Additional Chemical **Starch, Biocide, Dyes, OBA (Optical Brightening Agent), ASA (Alkenyl Succinic Anhydride)**

### 3. HAZARDS IDENTIFICATION

Hazard designation **Void**  
 Human health and environmental effects **No hazards to be particularly mentioned**

### 4. FIRST AID MEASURES

Inhalation **No relevant information**  
 Skin contact **No relevant information**  
 Eye contact **No relevant information**  
 Ingestion **No relevant information**

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### 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

**Water, Carbon Dioxide, Foam or Dry Chemical.**

Special exposure hazards arising from the substance

**Fire may produce small amounts of hazardous decomposition products such as Carbon Dioxide, Carbon Monoxide, and unidentified organics.**

Special protective equipment

**Do not inhale combustion gases, put on breathing apparatus.**

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions

**No relevant information**

Environmental precautions

**No relevant information**

### 7. HANDLING AND STORAGE

Handling

**Better use goggles and hand gloves while cutting the plastic band. Avoid any damage to the paper when using sharp edged tools, forklift, and etc.**

Storage

**The storage should be clean and good ventilation. Maximum shelf life is a year. Keep away from heat and open flame.**

Specific

**Reference Temperature and Humidity**

**73.4 ± 1.8°F (23 ± 1°C) and 50 ± 2% RH (Preferred Atmosphere)**

**80.6 ± 1.8°F (27 ± 1°C) and 65 ± 2% RH (Tropical Countries)**

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limit values

**No relevant information**

Respiratory protection

**Not necessary**

Hand protection

**Not necessary**

Eye protection

**Not necessary**

Skin protection

**Not necessary**

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : **Solid**

Color : **Colored**

Odor : **Odorless**

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pH : **6.8**

Boiling point : **Not applicable**

Melting point : **Not applicable**

Flash point : **Not applicable**

Autoflammability : **Not applicable**

Explosive properties : **Not explosive**

Oxidising properties : **Not oxidizing**

Vapour pressure : **Not applicable**

Relative density : **Not applicable**

Solubility (water/solvent) : **Not soluble**

Partition coefficient : n-octanol/water : **Not applicable**

Viscosity : **Not applicable**

Vapour density : **Not applicable**

Evaporation rate : **Not applicable**

### 10. STABILITY AND REACTIVITY

Condition to avoid	Not applicable
Material to avoid	Not applicable
Hazardous decomposition	Not applicable

### 11. TOXICOLOGICAL INFORMATION

This product is not acutely toxic.

### 12. ECOLOGICAL INFORMATION

This product is not hazardous to air, water, and/or soil.

### 13. DISPOSAL CONSIDERATIONS

This product is recycling paper accordance with the EUROPEAN PARLIAMENT AND COUNCIL DIRECTIVE 94/62/EC of 20 December 1994 on packaging and packaging waste and the DIRECTIVE 2004/12/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 11 February 2004 amending Directive 94/62/EC on packaging and packaging waste . It can collect and send to mill to be raw material in papermaking process.

This product can be also disposal in landfilling or incineration due to it does not contain hazardous waste in accordance with the DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

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## 14. TRANSPORT INFORMATION

This product is not dangerous goods related to the regulations: IMDG (sea), ADR (road), RID (rail), and ICAO/IATA (air).

## 15. REGULATORY INFORMATION

This product has been tested by third party laboratories and complies with the legislations as the following;

### Packaging Legislation

- **EUROPEAN PARLIAMENT AND COUNCIL DIRECTIVE 94/62/EC of 20 December 1994 on packaging and packaging waste;**
- **CONEG (Coalition of Northeastern Governors) requirement of packaging and packaging components.**

### Food Grade Packaging Legislation

- **FDA Title 21 Part 176 INDIRECT FOOD ADDITIVES: PAPER AND PAPERBOARD COMPONENTS Sec. 176.170 Components of paper and paperboard in contact with aqueous and fatty food;**
- **FDA Title 21 Part 176 – INDIRECT FOOD ADDITIVES: PAPER AND PAPERBOARD COMPONENTS Sec. 176.180 Components of paper and paperboard in contact with dry food.**

### Toys and Children's Products Legislation

- **EN71-3: 1994 Specification for Migration of Certain Elements A1: 2000;**
- **EN71- 9: 2005 Organic Chemical Compounds;**
- **ASTM- F963-03 Standard Consumer Safety Specification for Toy Safety.**

### International Legislation

- **REGULATION (EC) No 2037/2000 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 29 June 2000 on substances that deplete the ozone layer;**
- **Implementing the Montreal Protocol on Substances that Deplete the Ozone layer;**
- **Verordnung zum Verbot von bestimmten die Ozonschicht abbauenden Halogenkohlenwasserstoffen (FCKW (Fluorchlorkohlenwasserstoffe) -Halon-Verbots-Verordnung). vom 6. Mai 1991 (BGBl. I S. 1090, geändert durch G v. 24.6.1994, BGBl. I S. 1416).**

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## Hazardous Substances Legislation

- **DIRECTIVE 2002/95/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS);**
- **DIRECTIVE 2004/96/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 27 January 2003 on waste electrical and electronic equipment (WEEE);**
- **DIRECTIVE 2005/84/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 14 December 2005 amending for the 22nd time Council Directive 76/769/EEC on the approximation of the laws, regulations and administrative provisions of the Member States relating to restrictions on the marketing and use of certain dangerous substances and preparations (phthalates in toys and childcare articles);**
- **DIRECTIVE 2002/61/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 July 2002 amending for the nineteenth time Council Directive 76/769/EEC relating to restrictions on the marketing and use of certain dangerous substances and preparations (azocolourants);**
- **DIRECTIVE 2002/45/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 25 June 2002 amending for the nineteenth time Council Directive 76/769/EEC relating to restrictions on the marketing and use of certain dangerous substances and preparations (short-chain chlorinated paraffins);**
- **COMMISSION DIRECTIVE 1999/97/EC of 27 July 1999 adapting to technical progress for the sixth time Annex I to Council Directive 76/769/EEC on the approximation of the laws, regulations and administrative provisions of the Member States relating to restrictions on the marketing and use of certain dangerous substances and preparations (asbestos);**
- **Verordnung über Verbote und Beschränkungen des Inverkehrbringens gefährlicher Stoffe, Zubereitungen und Erzeugnisse nach dem Chemikaliengesetz (Chemikalien-Verbotsverordnung – ChemVerbotsV) vom 13 Juni 2003 (BGBl. I S. 867) zuletzt geändert am 21 Juni 2005 (BGBl. I Nr. 35, S. 1666) (formaldehyde);**
- **COUNCIL DIRECTIVE 85/467/EEC of 1 October 1985 amending for the 6th time Directive 76/769/EEC on the approximation of the laws, regulations and administrative provisions of the Member States relating to restrictions on the marketing and use of certain dangerous substances and preparations (PCBs/PCTs);**
- **REGULATION (EC) No 304/2003 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 28 January 2003 concerning the export and import of dangerous chemicals (mirex).**

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## 16. OTHER INFORMATION

Further Information

Paperboard is hygroscopic, which is the property of absorbing moisture from the air. It is very susceptible to change dimension stability of paperboard in Relative Humidity (RH). In low relative humidity, the paperboard desorbs moisture to surrounding. It possible causes shrinkage. In high relative humidity, the paperboard absorbs moisture from surrounding. It possible causes swelling. Cross Direction is very sensitive to change. The humidity should be kept between 50-60% RH in printing and paper storage facilities.

Sources of key data

**ISO 11093-2:1994(E) Paper and board – testing of cores – Part 2: Conditioning of test samples;**

**COMMISSION DIRECTIVE 2001/58/EC of 27 July 2001 amending for the second time Directive 91/155/EEC defining and laying down the detailed arrangements for the system of specific information relating to dangerous preparations in implementation of Article 14 of European Parliament and Council Directive 1999/45/EC and relating to dangerous substances in implementation of Article 27 of Council Directive 67/548/EEC (safety data sheets).**

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