

MATERIAL SAFETY DATA SHEET

Accordance with 2001/58/EC

BLUISH WHITE (PRO-PACK WK)

1. IDENTIFICATION OF SUBSTANCE

Identification of the substance **BLUISH WHITE (PRO-PACK WK)**

Use of the substance **Container box**

Company Identification

PT. INDAH KIAT PULP & PAPER Tbk.
JL. Raya Serang Km. 76 Desa Kragilan/ Sentul Kec. Kragilan
Serang 42184 Banten – Indonesia
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2. COMPOSITION

Virgin pulp **Laubholz Bleach Kraft Pulp 25%**
wood sourcing from well managed forests
Recycle Fiber **OCC (Old Corrugating Container) 60%**
SWL (Sorted White Ledger) 15%
Additional Chemical **Starch, Biocide, Higum, Alum, Clay, OBA, Dyes**

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**

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.

MATERIAL SAFETY DATA SHEET

Accordance with 2001/58/EC

BLUISH WHITE (PRO-PACK WK)

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**

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**

MATERIAL SAFETY DATA SHEET

Accordance with 2001/58/EC

BLUISH WHITE (PRO-PACK WK)

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 CONSIDERATION

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.

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;**

MATERIAL SAFETY DATA SHEET

Accordance with 2001/58/EC

BLUISH WHITE (PRO-PACK WK)

- **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.**

Environmentally 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).**

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);**

MATERIAL SAFETY DATA SHEET

Accordance with 2001/58/EC

BLUISH WHITE (PRO-PACK WK)

- **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);**
- **DIRECTIVE 2006/122/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 12 December 2006 amending for the 30th 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 (perfluorooctane sulfonates).**

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.

MATERIAL SAFETY DATA SHEET

Accordance with 2001/58/EC

BLUISH WHITE (PRO-PACK WK)

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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A validity of 2 years