

SAFETY DATA SHEET

Edition 6th, Revised Date: July 22, 2010

A validity of a year

FLUTING MEDIUM

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING	
1.1. Identification of the substance or preparation FLUTING MEDIUM	1.3. Company/undertaking identification PT. INDAH KIAT PULP & PAPER Tbk. Jl. Raya Serang Km. 76 Desa Kragilan/ Sentul Kec. Kragilan, Kabupaten Serang 42184 Banten - Indonesia, P.O. Box 8 Kragilan Phone : 62 254 280088, 281988 Fax. : 62 254 282430, 282431 - 33 www.ikserang.com
1.2. Use of the substance/preparation Corrugating fluting	1.4. Emergency telephone +62 254 280088 cs_iks@app.co.id

2. HAZARDS IDENTIFICATION
No particular hazards known

3. COMPOSITION/INFORMATION ON INGREDIENTS	
Generic Name	CAS#
Cellulose Fiber (C ₆ H ₁₀ O ₅) _n	9004-34-6
Starch Tapioca (C ₆ H ₁₀ O ₅) _n	9005-25-8
5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one (3:1)	55965-84-9

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 ± 1.80F (23 ± 10C) and 50 ± 2% RH (Preferred Atmosphere) 80.6 ± 1.80F (27 ± 10C) 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

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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
Auto flammability	Not applicable
Explosive properties	Not explosive
Oxidizing properties	Not oxidizing
Vapor 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	
Exposure limit values	No relevant information
Material to avoid	Not necessary
Hazardous decomposition	Not necessary

11. TOXICOLOGICAL INFORMATION
This product is not acutely toxic.

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

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13. DISPOSAL CONSIDERATION	
<p>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.</p> <p>This product can be also disposal in land filling 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.</p>	
14. TRANSPORT INFORMATION	
<p>This product is not dangerous goods related to the regulations: IMDG (sea), ADR (road), RID (rail), and ICAO/IATA (air).</p>	
15. REGULATORY INFORMATION	
EUROPEAN PARLIAMENT AND COUNCIL DIRECTIVE 94/62/EC of 20 December 1994 on packaging and packaging waste.	Pass
CONEG (Coalition of Northeastern Governors) requirement of packaging and packaging components.	Pass
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).	Pass
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).	Pass

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15. REGULATORY INFORMATION	
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).	Pass
REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, Annex IV	<0.1% (w/w)
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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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.

16. OTHER INFORMATION

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);

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

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