

15 February 2018

To whom it may concern:

IIMAK TTR ribbons are designed for printing on all sorts of materials and comply with the most current regulatory.

If you're looking for information about a specific regulatory compliance which is not mentioned in this document, please do not hesitate to contact your Account Manager or our Customer Service team by email at sales@iimak.be or by phone at +32 14 57 98 00.

ISEGA

Analysis performed on the thermal transfer ribbons showed results which ensure that the labels and food packaging materials printed with them meet the demands of

- the **Regulation (EC) No. 1935/2004** of the European Parliament and of the Council of 27 October 2004 on materials and articles intended to come into contact with food and repealing Directives 80/590/EEC and 89/109/EEC, Official Journal of the European Union No. L 338/4 of 13.11.2004, modified by app. no. 5.17 of the regulation (EC) No 596/2009 of 18 June 2009, Official Journal of the European Union L 188 of 18 July 2009 article 3,

as well as of the;

- Foodstuffs, Consumer Goods and Animal Feed Code (**Foodstuffs and Animal Feed Code – LFGB**) in the version of the notification of 03 June 2013 (BGBl. p. 1426), last amendment of 05 December 2014, state of 30 June 2014, §§ 30 and 31, as far as the influence of the thermal transfer ribbons is concerned.

The following IIMAK ribbons are in compliance with ISEGA:

| | |
|-------------------|--|
| <u>Wax:</u> | GP725, SW150, SW200, Fastwax, Highmark |
| <u>Wax-Resin:</u> | PM308, PM255, NETMark, NETMark IQ, NETFlex, NETFlex+, NETFlex+ XL, NETPremium, DC200 Royal Blue, NETColours Royal Blue, NETWhite, NETMetallic silver white |
| <u>Resin:</u> | SP330, SP575, NETResin IQ |

FDA

The **Food and Drug Administration's** ("FDA") sole concern is with materials that may become, either by default or design, food or pharmaceutical additives. While there is no intent on the substance to affect the food or pharmaceutical, it may be reasonable for it to come into incidental contact with the food. Any printing ink or coating component that is converted in or on packaging materials may potentially come into indirect contact; therefore, would be regulated under 21 CFR Parts 170-189.

The following IIMAK ribbons are in compliance with FDA:

| | |
|-------------------|--|
| <u>Wax:</u> | GP725, SW150, SW200, Fastwax, Highmark, DC100 |
| <u>Wax-Resin:</u> | PM308, PM255, NETMark, NETMark IQ, NETFlex, NETFlex+*, NETFlex+ XL, NETPremium, DC200, NETColours, NETWhite, NETSilver |
| <u>Resin:</u> | SP330, SP575*, NETResin IQ, DC300/DC305 |

*Acceptable for incidental direct food contact

IIMAK Europe

International Imaging Materials [Europe] bvba

Liesdonk 5b
B-2440 Geel
Belgium

| address |

+32(0)14 - 57 98 00
sales@iimak.be
www.iimak.eu

| tel |
| e-mail |
| url |

Turnhout
BE0473.323.475

| RPR |
| VAT |

BE90 0015 4559 1532
GEBB BE BB

| IBAN |
| swift code |

20084016
40 63 84

| UK Acc. N° |
| sort code |



REACH

REACH establishes procedures for collecting and assessing information on the properties and hazards of substances. IIMAK TTR are in compliance with the REACH regulation (EC 1907/2006, on the **Registration, Evaluation, Authorization and restriction of Chemicals**) and do not contain any of the SVHCs listed as of **January 15, 2018** in concentration >0.1% weight per supplied article, substance or preparation weight.

Visit the link below for the full list of SVHCs.

<http://echa.europa.eu/web/guest/candidate-list-table>

All IIMAK ribbons are in compliance with REACH.

RoHS

RoHS stands for **Restriction of Hazardous Substances**, and impacts the entire electronics and electrical products industry. The original RoHS, also known as EC Directive 2002/95/EC, restricts the use of ten hazardous substances found in electrical and electronic products: mercury, cadmium, lead, hexavalent chromium, PBB, PBDE flame retardants, DEHP, BBP, DBP, and DIBP.

All IIMAK ribbons are in compliance with RoHS.

Halogen free

Halogens is a group of 7 non-metallic elements of the periodic table: Fluorine, Chlorine, Bromine, Iodine, Astatine. There is a concern that halogenated plastic materials will release toxic gases if ignited in a fire. The corrosive smoke has the potential to damage electronics, and it can be potentially hazardous to persons.

'Halogen-free' is not a governmental compliance but a demand by consumers to remove or at least reduce toxic materials from manufacturing processes where items like wires and cables, printed circuit boards, films, connectors, mechanical plastic parts and other items are made.

No halogens were used during the manufacturing of our ribbons. They are therefore classified as 'halogen-free'.

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Underwriters Laboratories (UL)

The UL Standard 969 sets safety standards for marking and labeling systems and tests against these standards. Applications such as automotive, electronics, building materials, and appliances are required to be permanently marked with specific safety-related information. If the labels and label materials comply, they would fall under the UL's Component Recognition Program.

Any thermal transfer ribbon alone is not considered UL recognized. The combination of the ribbon, label, substrate, and adhesive is tested and recognized by UL. Not only must the image remain on the label, but the label itself must adhere to the surface that it is applied to. Media Suppliers such as Avery Dennison/Fasson, Flexcon, and 3M conduct these tests and hold the UL files through UL.



Select an already approved IIMAK ribbon to save money and to ensure your opportunity stays on schedule. Let us know what the label manufacturer specification number and the IIMAK quality is and we'll help you find the UL recognition you need.

BS5609

British Standard (BS) 5609 is an internationally recognized specification by the International Maritime Dangerous Goods (IMDG) and comprises various durability requirements including adhesive performance, printed image durability and abrasion resistance. specifying minimum standards for self-adhesive drum labels to be used in "Marine Environments". Testing includes a three-month exposure of labeled test plates in salt water at mid-tide, exposure to salt water and sunlight, as well as abrasion by a salt water/sand mixture.

SP330, SP575, DC300 Ruby Red and NETResin IQ are BS5609 approved on FLEXcon, MACtac and Fasson substrates. Contact us for more information.

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