

T.A.O. NEWSLETTER

Quarterly Company Newsletter



IN THIS ISSUE

HIGHLIGHT: UNDERSTANDING COMPLIANCE STANDARDS P.1

PRODUCT&SOLUTIONS: PRINTING SOLUTIONS FOR 3C APPLICATIONS P.2

T.A.O. INSIDE: PART 1: WASTE SORTING AND HAZARDOUS WASTE MANAGEMENT / T.A.O. NEWS P.3

Highlight:

Understanding Compliance Standards [1]

Compliance Standards are standards which are required by the law and regulators, which were implemented from polices which had the goal of creating good standardized practices for the industry. The heart of the standard lies in the raw materials used in production of products in the various industries. Many brands also include compliance standards into their policies, requiring substances that they use to be certified compliant with regards to production processes for the safety of workers, consumers, and the environment. Therefore, the products that we sell to these brands need to also have been certified by compliance standards that regulate the control of the use of hazardous substances as well as environmental protection and energy efficiency standards.

Compliance Standards Part I

Registration Evaluation and Authorization of Chemicals

The EU REACH Regulation (Registration, Evaluation, and Authorization of Chemical Substances) requires industry to be responsible for the safe manufacture and use of chemical substances.

Related Parties
REACH Regulation needs to be complied by both EU manufacturers and their Non-EU suppliers as well as all NON-EU importers. With compliance standards required for nearly all products, parts, substances and mixtures manufactured in or imported into Europe.

Our certified Products and Brands are

- Marabu Inks
- Jujo Inks
- Proell Inks
- Covestro Films
- Toray Films
- Kiwo Adhesives

Reference

Restriction of Hazardous Substances

RoHS stands for Restriction of Hazardous Substances; it originated as a Directive 2002/95/EC for compliance in the European Union since 2002. It regulates the use of hazardous substances for all raw materials of electrical appliances and electronics. Ranging from electrical circuits to electric cords in products such as televisions, microwaves, radios and home medical devices

- The Directive restricts the use of six hazardous materials as the followings:

Pb
< 0.1%

Hg
< 0.1%

Cd
< 0.01%

Cr-VI
< 0.1%

PBB
< 0.1%

PBDE
< 0.1%

Related parties
Any business that sells applicable electrical or electronic products, equipment, sub-assemblies, cables, components, or spare parts directly to RoHS-directed countries, or sells to resellers, distributors or integrators that in turn sell products to these countries, is impacted if they utilize any the restricted substances.

Our certified Products and Brands

- Marabu Inks
- Jujo Inks
- Proell Inks
- Toray Films
- Danapac Films
- Covestro Films
- SKC Films
- Kiwo Adhesives

Reference

The Apparel and Footwear International RSL Management

AFIRM is the Apparel & Footwear International RSL Management (AFIRM) Working Group. The mission is to reduce the use and impact of harmful substances in the apparel and footwear supply chain, according to "AFIRM RSL Guidance".

Related Parties
All businesses in the Apparel & Footwear supply chain must understand the importance of Chemical product safety as an integrated whole: from the workplace to the consumer.

Our certified Products and Brands are

- Marabu Pad Printing Inks (Tampatex TPX & Auxiliaries)

Reference

The International Association for Research and Testing in the Field of Textile Ecology

The OEKO-TEX® test and certification system is centrally issued by the International Association for Research and Testing in the Field of Textile and Leather Ecology [OEKO-TEX®] which has its headquarters in Zurich. The OEKO-TEX® tests for harmful substances for the purpose of the textiles and accessory materials used.

STANDARD 100 by OEKO-TEX® is an independent product label for all types of textiles tested for harmful substances- from yarns and fabrics to the ready-to-use items that are directly available to the consumer.

Related parties
Manufacturers and businesses in the Textile Industry supply chain need to be aware of the safety issues and dangers related to chemicals that are harmful to skin contact, right up to the effects this can have on consumers worldwide.

Our certified Products and Brands

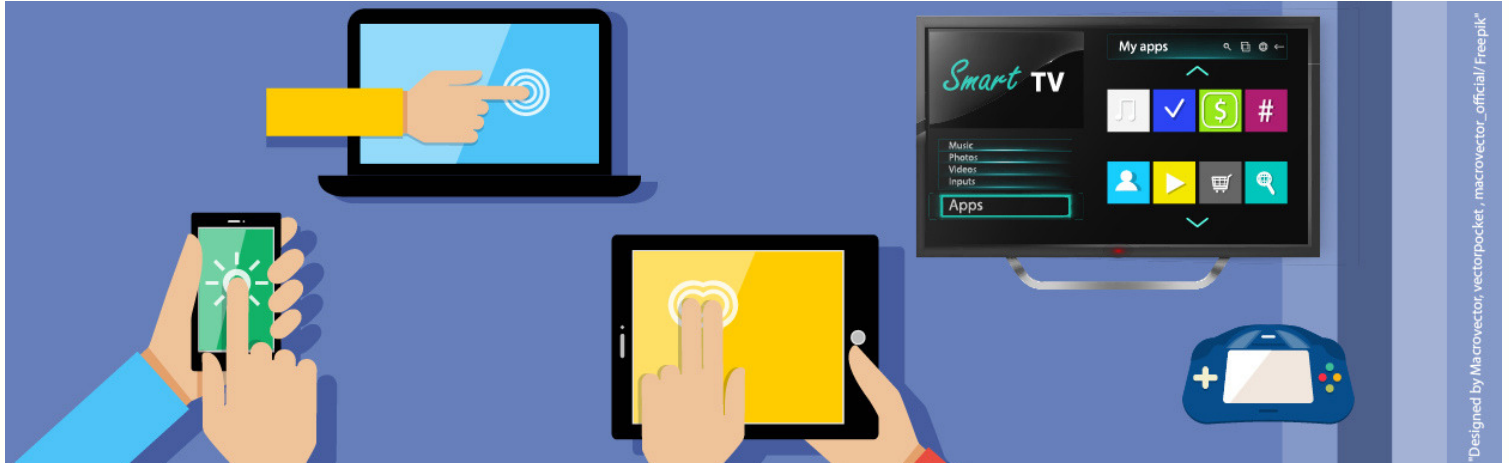
- Marabu Inks

Reference

Our products that have been certified by these 4 compliance standards as mentioned above.

Product&Solutions:

Printing solutions for 3C applications



Designed by Macrovector, vectorpocket, macrovector_official/Freepik

Nowadays many electronic devices use touch screens, replacing membrane switches. For example, Smart Phones, Tablets PCs, All-in-one PCs, Netbooks, Ultrabooks, Portable Game, White Goods

For these electronic applications, MARABU has developed inks specifically for these products, called “3C” application, standing for Computing, Communication, and Consumer Electronics.

MARABU has developed high-opacity screen printing inks for 3C applications/devices which meet and exceed the standard resistance and density requirements of the touch panel market. Special Screen Printing inks, which are suitable for the displays made of glass and plastics.



Key Benefits:

- Extremely high chemical and mechanical resistance
- Very high optical density with BM Black solvent-based first layer >5 / UV > 2.5
- Fantastic printability during the printing process
- Very good resistance values of >10¹² Ohm

Printing on the surface of glass directly

Solvent and UV Solutions for 3C


Mara® Glass MG3C

- Outstanding optical density
- Fulfills highest adhesion & resistance requirements
- High electrical resistance values of the ink film
- Silicone-free
- Easy processing



Ultra Glass UVG3C

- Very good adhesion to glass
- High intercoat adhesion for multi-layered ink structures
- Good opacity with finest mesh counts and simultaneously good curability
- High durability and resistance to adhesives
- High print quality [edge definition]



Mara® Glass MGHT

- For making of “OGS” touch panels [One Glass Solution]
- Baking ink with outstanding temperature resistance
- Fulfills highest adhesion and resistance requirements
- Very good opacity
- High electrical resistance values of the ink film
- Easy processing




T.A.O. Bangkok Corporation Ltd.
Your trusted partner.

Headquarter: Bangkok, Thailand
 Vietnam Branch: Hanoi, Vietnam
 Office Representative: Ho Chi Minh City, Vietnam



www.taobangkok.co.th



info@taobangkok.co.th

Please advise for content topic or any require & comment, contact us ;

GET IN TOUCH WITH US

T.A.O. INSIDE: Environmental Management in the organization

Part I : Waste sorting and hazardous waste management

T.A.O. Bangkok Corporation is committed to good Safety, Health, and environmental practices to be in line with the corporate policy of being a good corporate citizen with regards to society and the environment. For this issue, we are delighted to present the information on our processes of waste sorting and hazardous waste management that would dispose properly and easily while reducing pollution both in the organization and public, in combination with creating a good working environment.



Waste Sorting System

T.A.O has a waste and recycle sorting system. There will be the garbage bins at each department and here is our disposal processes:



Hazardous Waste Management System

T.A.O. classifies the types of hazardous waste from the production process into 3 categories. Namely,



Note: Selection for Hazardous Waste Disposal Company: The Hazardous Waste Disposal company must legitimately registered with the Department of Industrial Works and is able to receive all kinds of disposal from T.A.O.

T.A.O. News

TampaSport TPSP: New Pad Printing Ink for sportswear and shoes



Marabu has recently developed a special type of pad printing inks called "TampaSport TPSP", which is perfectly suited for printing on shoes and any areas of sportswear clothing. The ink is suitable for both tagless [the technology that replaced the tag label with pad printing on the tag area] and outside pad printing on shirts for even more flexible printing designs as well as full wearing comfort.

With extremely flexible ink film, TPSP is very durable and does not cause the ink film to crack. In addition, it has good opacity which is excellent for multi-colored materials. The ink is waterproof and is heat resistant to ironing. It complies with the most stringent of safety standards including: compliance with Adidas guideline A01 and contains no CP65 [California Proposition 65] substances.

UNAXOL, one of the green products selected for PMK Dialysis Center, Hemodialysis Unit, Phramongkutklao Hospital



UNAXOL, Water-based wood coating's low VOC content was the reason it was selected for using in the PMK Dialysis Center, the hemodialysis unit at Phramongkutklao Hospital. Due to being free from conventional toxics like heavy metals, azo, aromatic solvents, formaldehyde, isocyanate and polyvinyl chloride, UNAXOL provides lower odor comparing to the conventional solvent-based paints, making it a good choice for a health sensitive place such as a hospital. In addition, due to these qualities, it also makes UNAXOL, water-based wood coating's environmentally friendly.

Bareo-Isyss, one of our valued customers, was the interior decoration contractor of PMK Dialysis Center, who decided to choose UNAXOL, water-based wood coating for this project. They are also winners of the International Property Awards in the Asia Pacific region for the Public Service Interior Design, which organized by International Property & Travel Magazine in England.