

Kobo Products

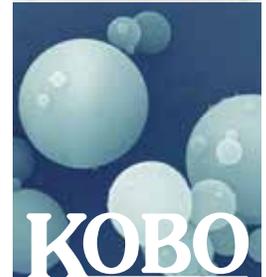
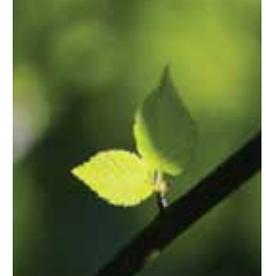
The Powder & Dispersion Specialist

Since 1987 Kobo has provided innovative, technology-based raw materials to the cosmetic industry. The product range includes Surface Treated Pigments, Microspheres, Suncare and Color Dispersions, Silicone Fluids, Specialties, Natural Ingredients, Effect Pigments (KTZ® Pearls, KOBPEARL®), CARESS® Boron Nitride and Delivery Systems.

Kobo offers three manufacturing locations, corporate headquarters in South Plainfield, NJ (USA), Kobo SAS (France) and Kobo Dispatek (Japan) as well as Administrative Offices and an Application Lab at Kobo Brasil Ltda.

Kobo is represented by independent agents around the world.

www.koboproducts.com



Kobo Products, Inc.
3474 So. Clinton Ave.
So. Plainfield, NJ 07080
USA

tel +1 (908) 757-0033
fax +1 (908) 757-0905

Kobo Products, SAS
135 Rue Buissonniere
Quartier Bouysset
31670 LABEGE
France

tel +33 (0)5-62-88-77-40
fax +33 (0)5-62-88-77-49

Kobo Dispatek, Inc.
1-4-8

Nihombashi-bakurocho
Chuoku, Tokyo, 103-0002
Japan

tel +81 (3) 3663-8049
fax +81 (3) 3664-8679

Kobo Brasil Ltda.
Rua Bamboré n.41

Ipiranga - São Paulo/SP
04278-060
Brasil

tel +55 (11) 5062-0634

www.koboproducts.com

Kobo Product Line

Microspheres and Microsphere Complexes

Microspheres are discrete spherical particles ranging in average size from 1 to 40 microns. Because of their size and shape, microspheres offer a ball bearing effect which will impart finished products with an elegant silky texture, increased payoff, and enhanced slip. Microspheres are also able to scatter light to diminish the look of fine lines on the skin, while letting enough light through so the look on the skin is natural. This phenomenon is known as “Soft Focus Effect” or “Optical Blurring”. Microsphere Complexes are powders made by bonding various substrates such as talc or silica to polymeric microspheres using Kobo’s patented technology of ITT treatment. These powders have incredible texture and high oil absorption.

Treated Pigments & Powders

Powders and pigments may be modified to make their surface water-repellent (hydrophobic), oil-dispersible (lipophilic), both lipophobic and hydrophobic (perfluoro treatments), or water-dispersible (hydrophilic). Other objectives of surface treating are to reduce surface activity, improve skin compatibility, physical or chemical stability and enhance feel and pigment loading in formulas. Various treatments are available including Kobo’s patented technologies: ITT (Isopropyl Titanium Triisostearate); TTB (Triethoxysilylethyl Polydimethylsiloxyethyl Dimethicone) and NJE (Jojoba Esters).

UV Pigments (TiO₂, ZnO, Non-Nano & Transparent Iron Oxides)

Attenuation grade and non-nano, titanium dioxide, zinc oxide and transparent iron oxides are available. They may contain inorganic and organic surface treatments to improve their dispersion in formulas, and improve physical and chemical ability.

UV Balance Powders & Dispersions

The UV Balance concept was developed in order to ensure protection of the skin from both UVB and UVA rays. This concept suggests that for every 3 units of UVB protection there is also 1 unit of UVA protection being provided in an SPF product. When working with inorganic sunscreen ingredients such as micronized titanium dioxide or zinc oxide it is important to find the right combination of particle sizes in order to yield the 3:1 ratio for protection. In order to achieve these results, Kobo has developed both UV Balance Powders and dispersions, as well as recommended use levels for specific combinations of dispersions.

Non-Nano & Attenuation Grade TiO₂ & ZnO Dispersions

As a leader in dispersion technology, Kobo specializes in custom formulation and grinding of TiO₂ and ZnO. Kobo has mastered the art of manipulating particle size which allows the dispersion to become extremely transparent on the skin and offer effective UVA & UVB protection. Dispersions of TiO₂ and ZnO with various particle sizes and surface treatments in a wide range of bases are available, including the newest vehicles: Non-D5 Volatiles, Natural Oils and Mixed Solvents.

Pigmentary Grade Dispersions

Pigmentary grade titanium dioxides, iron oxides, and organic lakes are widely used for color cosmetics and have primary particle sizes greater than 0.2 microns. These pigments tend to aggregate in formulas. Color strength, gloss and opacity are related to the particle size of the aggregates. Theoretically, the highest color intensity is obtained when the dispersion particle size (in formulas) is closest to its primary particle size.

Special Effect Pigments

KTZ® Pearls are Special Effect Pigments based on a mica substrate coated with titanium dioxide and/or iron oxide to create pearlescent effects, interference colors and angle-related color travel. KOBPEARL® Perpetual Pigments demonstrate color travel, due to a unique process of TiO₂ or Iron Oxide coated on synthetic mica. Kobo offers a large selection of Special Effect Pigments. The entire range is available with surface treatments to decrease the surface activity, maximize water repellency and allow for easy formulation in esters, mineral oils and silicone fluids.

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Natural Ingredients

Kobo offers a range of natural origin based products including microspheres, fibers, surface treatments, scrubbing beads and dispersions for UV protection. Kobo's patent pending Jojoba Ester Treatment (NJE Treatment) process enables pigment particles to be rendered hydrophobic. Jojoba Esters have similar properties to the human sebum, which help to balance the sebum on the skin. They can contribute to moisturizing dry skin while easing sebum production in oily skin. Due to the natural origin of this treatment, it is ideal for use in formulas containing natural claims. NJE treated pigments and powders offer a creamy feel and a good affinity to the skin. They are recommended for use in powders due to their good pressability, as well as emulsions and hot pours. Cosmos/Ecocert products are also available.

Fibers

Kobo offers a variety of natural and synthetic fibers in different lengths, thickness and shapes. They can be used to promote texturizing, soft focus, lengthening and volumizing effects in finished products. Cell-U-lash fibers are made of cellulose, a natural polymer that varies in length from 20 to 110 microns; they are hydrophilic and disperse easily in the final stage of an emulsion. These fibers are an excellent choice for finished products containing natural ingredients. Synthetic fibers made from Nylon, Polypropylene and Colored Nylon are available in many sizes and shapes. Polyethylene Terephthalate fibers are available and can be used for soft focus.

Minerals

Kobo minerals are used in a variety of applications, including emulsions, hot pours and powders found in skin care, color cosmetics and toiletry products. Many are considered fillers which are widely used in shade matching to "fill in" areas where pigments are not used. They can contribute to a finished product by adding bulking properties, an enhanced skin feel, luster, shimmer, shine and often times sheen while helping to fill in the lines on the skin so they appear less visible. Kobo's product line of minerals includes sericite, mica, talc and Caress® Boron Nitride materials. All surface treatments are available to further enhance their properties.

Film Formers

Water and Oil soluble polymers help to enhance adhesion and substantivity of the cosmetic formulation to the skin, lashes, hair or nails. Therefore, they improve water resistance, rub-resistance, and stability of the film, impart gloss and help suspend pigments. They have no odor and excellent color stability, which makes them an ideal substitute for rosins and their counterparts.

Delivery Systems

Kobo delivery systems are innovative and patented systems composed of various ingredients. The sub-micron, ultra stable Glycosphere is adapted to protect and deliver active molecules. Softspheres are visible, colored beads used to deliver active ingredients and decorate transparent formulations.

Silicone Products

Silicone products provide lubricity, spreading, even texture, better coverage, and a soft, smooth and velvety feel. They also offer substantivity and durability for long lasting products, as well as moisturization without a heavy, greasy feel.

Specialties

Kobo offers a wide range of specialty ingredients for the benefit of personal care formulations, including dry binders, gellants and scrubbing beads.

Kobo also specializes in creating custom Dispersion formulations

Global Distribution Network

Argentina

Elipse S.R.L.
tel: +54 11-4753-2048/4291/4360
fax: +54 11-4754-2434
email: cosmetica@elipseargentina.com

Australia

Ingredients Plus Pty, Ltd.
tel: +61 2 9684 6788
fax: +61 2 9684 6799
email: c.ridgewell@ingredientsplus.com.au

Bolivia

Química Suiza Industrial de Bolivia S.A.
tel: +591-3-3451055
fax: +591-2-2773724
email: josemanuel.diaz@qsindustrial.biz

Brazil

Cosmotec Internacional Especialidades Cosméticas Ltda.
tel: +55 11-2027-1100
fax: +55 11-2965-4774
email: tecnologia@cosmotec.com.br

Canada

Gattefossé Canada, Inc.
tel: +1 416 243 5019
fax: +1 416 243 8628
email: service@gattefosse.ca

Central America

Divisa
tel: +502 6665-0505
email: mmena@divsa.com

Chile

Maprin Representaciones Ltda
tel: +56 2 360-4810
fax: +56 2 231-1182
email: infomaprin@maprin.cl

China - Guangzhou

Connell Bros. Co., Ltd.
tel: +86 20 3631 5088
fax: +86 20 3631 5353
email: sunny.jiang@wecocbc.com

China - Hong Kong

Connell Bros. Co., Ltd.
tel: +852 2969-2700
fax: +852 2564-5022
email: simon.chan@wecocbc.com

China - Shanghai

Connell Bros. Co. Ltd.
tel: +86 21 5426 5614
fax: +86 21 5426 5600
email: hong.ding@wecocbc.com

Colombia

Colquímicos S.A.
tel: +57 1 277-1411
fax: +57 1 220-4320
email: personalcare@colquimicos.com.co

Ecuador

Química Suiza Industrial del Ecuador S.A.
tel: 593-4-2160170
fax: 593-2-2478600
email: samuel.coello@qsindustrial.biz

France

UNIPEX
tel: +33 (0)1.47.32.81.30
fax: +33 (0)1.41.96.22.03
email: karine.bonnet@unipex.fr

Greece

Cellco Chemicals Ltd.
tel: +30 210 2621723
fax: +30 210 2620587
email: cellco@cellco.gr

India

Radian Chemical Products Pvt. Ltd.
tel: +91-22-2671 5841-45
fax: +91-22-2628 7892
email: info@radian.in

Indonesia

PT. Kemiko Indonesia
tel: +62 21 28510821
fax: +62 21 28510821
email: toyo@id.chemicogroup.com

Israel

Tagra Biotechnologies, Ltd.
tel: +972 9-865-6454
fax: +972 9-865-4278
email: info@tagra.com

Italy

Amitalia S.r.l.
tel: +39 (0)2-967-98-808
fax: +39 (0)2-969-24-17
email: ami@amitalia.it

Japan

Daito Kasei Kogyo Co., Ltd.
tel: +81 (0) 6 6922 1631
fax: +81 (0) 6 6921 9562
email: ytanaka@dreamnet-daitokasei.co.jp

Japan

Nikko Chemicals Co., Ltd.
tel: +81 3-3661-1677
fax: +81 3-3664-8620
email: inter@nikkol.co.jp

Korea

DURAE Corporation
tel: +82 31-397-6066
fax: +82 31-397-5322
email: jino@durae.co.kr

Malaysia

Chemie Alliance Sdn. Bhd.
tel: +603 615 75 412
fax: +603 615-75-415
email: nickmun@alliance2u.com

Mexico

Industrias Sintoquim S.A. de C.V.
tel: +52 55-5845-1029
fax: +52 55-5845-0962
email: contacto@sintoquim.com

Peru

Química Suiza Industrial del Peru S.A.
tel: +51-1 7104000
email: luz.apaza@qsindustrial.biz

Peru

RLC Representaciones Químicas S.A.C.
tel: +511 719-2171
email: empresa@rlcrepresentaciones.com

Philippines

Euro Chemicals Inc.
tel: +63 2 930 4715
fax: +63 2-930-1153
email: eurochem@itextron.com

Poland

Aston Chemicals Ltd. Sp. zo.o.
tel: +48 22 3308 450
fax: +48 22 3308 452
email: kontakt@astonchemicals.pl

Singapore

Leasun Singapore Pte Ltd.
tel: +65 6755 1204
fax: +65 6755 4204
email: samuel.tan@leasun.com.sg

South Africa

Cosmetic Ingredients (Pty) Ltd.
tel: +27 12 653 3376
fax: +27 12 653 4431
email: shani@cosmetic-ingredients.co.za

Spain

Safic-Alcan España S.A.
tel: +34 9 33 22 04 53
fax: +34 9 34 10 69 78
email: pescartin@safic-alcan.es

Taiwan

Elgin Corporation
tel: +886 (0) 28751 6060
fax: +886 (0) 28751 6363
email: belinda.lo@elgin.com.tw

Thailand

Chemico Inter. Corporation Co. Ltd.
tel: +66 2-731-5575
fax: +66 2-731-5570
email: ekkarin@th.chemicogroup.com

Turkey

Brenntag Kimya Tic. Ltd. Sti.
tel: +90 216 331 39 66
fax: +90 216 331 39 36
email: melda.lloydpayne@brenntag.com.tr

United Kingdom

Aston Chemicals Ltd.
tel: +44 (0)1296-337700
fax: +44 (0)1296-337701
email: customerservice@aston-chemicals.com

USA - West Coast

DD Chem Co. Inc.
tel: +1 818-349-4149
fax: +1 818-349-4017
email: info@ddchemco.com

Venezuela

Química Suiza Industrial del Caribe, S.A.
tel: +58 212 285 3060 x204
fax: +58 212 285 3060
email: trina.prato@qsindustrial.biz

Vietnam

Chemico Cosfa Vietnam Co., Ltd.
tel: +848 393 93929
fax: +848 382 29294
email: chemico@vn.chemicogroup.com

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www.koboproducts.com