

Personal Care

20 Facts

20 Facts about our products

The facts detailed here apply to all our products described in our brochures. Paraffins, micro and FT waxes, and petroleum jellies are products that guarantee safe use in cosmetics, pharmaceuticals and foods, without all the red tape. Read on to find out why!

<p>FACT 1 Origin, raw materials and composition</p>	<p>Paraffins, petroleum jellies and waxes are produced from solid, semi-solid and liquid petroleum-based hydrocarbons and are highly refined to ensure maximum freedom from possible contamination. A key step in this process is high-pressure hydrogenation. FT waxes are produced from natural gas through Fischer-Tropsch synthesis. The product groups can be blended to create special-purpose products.</p>
<p>FACT 2 Water and microbiological profile</p>	<p>In view of their composition and the origin of the raw materials, our products do not contain any water and are, therefore, completely risk-free with regard to microbiological contamination. Moreover, any microbes or bacteria would be destroyed by the high temperatures during high-pressure hydrogenation. Hywax regularly provides proof of the low microbiological contamination and the absence of water.</p>
<p>FACT 3 Contamination/PAH</p>	<p>Strict compliance with the specifications of the pharmacopoeia monographs ensures that any contamination is kept to an extremely low level and is only detectable – if at all – at trace levels. In particular, PAHs (PAK, PCA) are only present in the lower ppb range, as shown by PAH analyses using GC-MS.</p>
<p>FACT 4 Solvent residues</p>	<p>No solvent residues are detectable. The raw materials we use no longer contain any solvent residues. Although the latter can theoretically be used in the raw material-manufacturing processes, they are no longer present thanks to recovery methods. Once again, high-pressure hydrogenation ensures that any traces are completely removed. This is regularly confirmed by laboratory analysis.</p>
<p>FACT 5 Heavy metals such as lead (Pb) and arsenic (As), nickel (Ni) and molybdenum (Mo)</p>	<p>The situation here is much the same as for solvent residues – they are only present at trace levels in our raw materials, and these levels are almost completely eliminated by our manufacturing methods. Even the catalysts containing metallic components of Ni and Mo, which are used in high-pressure hydrogenation, show negligible amounts.</p>
<p>FACT 6 Animal testing</p>	<p>Hywax does not perform animal testing to ensure that its products are safe to use in cosmetics and other products, and it intends to maintain this policy. The product safety assessments are entirely based on data from literature. This information was compiled elsewhere and for other purposes by various institutes and was not commissioned by us. Please feel free to ask us for a copy of our animal testing policy.</p>
<p>FACT 7 BSE/TSE and GMO</p>	<p>In view of the origins of the raw materials and the production processes, no contamination of the products with BSE/TSE pathogens is possible. For the same reason, raw materials containing GMOs cannot be used.</p>
<p>FACT 8 Safety assessment for use in cosmetic formulations</p>	<p>The EU Cosmetics Directive requires a safety assessment for all ingredients. Please feel free to request this from our Sales department or from info@hywax.com</p>
<p>FACT 9 CMR classification and carcinogens</p>	<p>None of our products can be classified as CMR substances. Unfortunately, under the CAS number of the INCI name for petroleum jelly (petrolatum), you often find mention of a precautionary CMR classification in databases or lists of hazardous substances. This classification does not apply to petroleum jellies produced by Hywax, because the raw materials themselves are demonstrably not CMR substances. The product is further enhanced by the refining process – and the entire manufacturing process for the raw materials used is known and rules out CMR substances.</p>

FACT 10 Allergens/mycotoxins	The products described here are free from allergens as listed in Annex III to EU Directive 2000/13/EC (or 2007/68/EC). They also do not contain any pollen, grasses, fragrances or poisonous fungal ingredients (mycotoxins).
FACT 11 INCI names	The INCI name recommendations are already listed in the text for the individual product groups in our general Personal Care brochure.
FACT 12 CAS and EINECS number	Please feel free to request these from our Sales department or from info@hywax.com
FACT 13 ISO, OHSAS, REACH	Please feel free to request these from our Sales department or from info@hywax.com
FACT 14 Occupational safety and health, hazardous substances and dangerous goods (transport) – safety data sheets	Safety data sheets are available for each product in numerous languages. They are always sent to the customer along with the first sample or order and are also available on request at any time. None of the products in this brochure are hazardous substances. The only dangerous goods are those in a liquid bulk shipment that have to be transhipped at a temperature exceeding 100 °C because of the product properties or other requirements.
FACT 15 Storage conditions and shelf life of packed products	All products must be protected from heat, water, dust and light. They must not be stored in the open air. Petroleum jellies can be kept for at least three years, paraffins and micro waxes for at least five years and FT hard waxes for 20 years.
FACT 16 Packages/packaging material	There are numerous types of packaging. Bulk liquid deliveries are possible. The standard package for petroleum jelly is the drum, whilst the standard for waxes and solid paraffins is pastilles in bags or slabs. We have approved the packaging materials on the basis of certificates and tests and thereby guarantee safe use in your applications.
FACT 17 Stabilization with antioxidant	After treatment/purification by high-pressure hydrogenation, the products are stored warm before filling, during which slight exposure to oxygen cannot be ruled out completely. For this reason petroleum jellies, solid paraffins and micro waxes are stabilised with an antioxidant. FT hard waxes are not stabilised.
FACT 18 Nanomaterials	No products or packaging materials in this brochure contain nanomaterials
FACT 19 Fields of application/ concentrations	The basic applications are described in this brochure. Many others are possible, depending on the user's know-how. If you're interested in a development partnership, please contact us. There are no restrictions on the percentage of our raw materials in formulations, assuming this is permitted or demanded by the application in question.
FACT 20 Products for children, eyes, mucous membranes and damaged skin	Documented by many years of safe use of our products and underpinned by toxicological data, all arguments are in favour of use in children's products or products for application on mucous membranes or damaged skin. Examples include baby care series based on petroleum jelly, pharmaceutical petroleum jelly preparations for the eyes, numerous ointments for treating skin diseases such as neurodermatitis and psoriasis, and related cosmetic support creams for intervals between treatment periods. The highly occlusive effect of petroleum jelly makes it very suitable for dry-skin syndromes. Even in cases of damaged skin, it helps to reduce the symptoms and has a soothing effect on the patient's condition. As described above, the products are extremely resistant to microbiological attack. Depending on the application, however, a sterilisation stage may still be necessary during production of the preparations.

Have we forgotten something of importance to you? Please tell us how we can help you! In addition to our assurance about these facts, would you also like an official letter that meets your documentation requirements better than this brochure? That's no problem either: we'll be glad to send you a signed document on our letterhead by post or as a PDF file. We are always grateful for any suggestions and information you may wish to send us.

Your Personal Care Team



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