20 Facts about our Products

The facts detailed here are apply to all our products described in our brochures. Waxes, petroleum jellies and white oils are products that guarantee safe and bureaucratically uncomplicated use in cosmetics, pharmaceuticals and foods. Read on to find out why!

Fact 1 *Origin, raw materials & composition*	Paraffins, white oils and waxes are produced from solid, semi-solid and liquid petroleum hydrocarbons, and refined to ensure maximum freedom from possible contamination. Key steps in this process are high-pressure hydrogenation and/or bleaching. FT waxes (hard waxes) are produced from natural gas by Fischer-Tropsch synthesis. The two product groups can be blended to create special-purpose products.
Fact 2 *Water & microbiological profile*	In view of their composition and the origin of the raw material, 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 and pressures during high-pressure hydrogenation. Sasol Wax regularly provides proof of the low microbiological contamination and the absence of water.
Fact 3 *Contamination/PAH*	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 PAH (PAK, PCA) are only present in the lower ppb range, as shown by PAH analyses using GC-MS. The refining processes guarantee freedom from these undesirable substances and hence safe use in all applications.
Fact 4 *Solvent residues*	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 or bleaching ensures that any traces are completely removed. This is regularly confirmed by laboratory analysis.
Fact 5 *Heavy metals such as lead (Pb) and arsenic (As), nickel (Ni) and molybdenum (Mo)*	The situation here is much the same as for solvent residues – they are only present in slight traces in our raw materials, and these traces 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 are not detectable in the regular laboratory tests.
Fact 6 *Animal testing*	Sasol Wax does not perform animal testing to ensure that its products are safe to use in cosmetics etc. – and it intends to maintain this policy. The product safety assessments are based entirely on data from the literature. This information was compiled elsewhere and for other purposes by various institutes and was not commissioned by us.
Fact 7 *Safety assessment for use in cosmetic formulations*	The EU Cosmetics Directive requires a safety assessment for all ingredients. Please request this from our Sales Department or from **personalcare@de.sasol.com**
Fact 8 *BSE/TSE & GMO*	In view of the origins of the raw material and the production processes, no contamination of the products with BSE/TSE pathogens is possible. For the same reason, raw materials containing GMO cannot be used.
Fact 9 *CMR classification & carcinogens*	None of our products can be classified as CMR substances. Unfortunately, under the CAS number of the INCI name for petroleum jelly (= petrolatum) one repeatedly finds mention of a precautionary CMR classification in databases or lists of hazardous substances. This classification does not apply to petroleum jellies produced by Sasol Wax, 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.
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 contain no pollen, grasses, fragrances, poisonous fungal ingredients (mycotoxins) or other additives.

Fact 11 *INCI names*	The INCI names are already listed in the text for the individual product groups.
Fact 12 *CAS & EINECS names*	Please request these from our Sales Department or from **personalcare@de.sasol.com**
Fact 13 *GMP; ISO; HACCP; OHSAS; REACH*	For these topics, please consult the relevant chapters of this brochure.
Fact 14 *Storage and keepability 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 and white oils can be kept for 3 years min. Paraffins, waxes, hard waxes/FT waxes and micro waxes can be kept for 5 years min. Please consult us if your situation gives rise to an individual need for a certificate of longer storage life.
Fact 15 *Packages/packaging material*	There are numerous types of packaging. Bulk liquid deliveries are possible. The standard package for petroleum jelly and white oil is the drum; the standard for waxes and solid paraffins is as pastilles in sacks, or as slabs in cartons. We will be glad to discuss with you the possibility of individual packaging options tailor-made to meet your requirements. We have approved the packaging materials on the basis of certificates and tests and thereby guarantee safe use in your applications.
Fact 16 *Stabilization*	After treatment/purification by high-pressure hydrogenation, the products are stored in a warm condition before filling; during this time a certain slight access of air cannot be ruled out completely. For this reason petroleum jellies, solid paraffins and micro waxes are stabilized. There is no need to stabilize petroleum jellies which have undergone bleaching as the last stage in the production process. Pharmaceutical white oil and FT wax/hard wax are unstabilized.
Fact 17 *Occupational safety and health, hazardous substances and dangerous goods (transport) – safety data sheets*	Safety data sheets are available for every product in a large number of languages. They are always sent to the customer on first sampling or first order, and are otherwise available on request at any time. None of the products in this brochure is a hazardous substance. Dangerous goods only come into being if a liquid bulk shipment has to be transshipped at a temperature exceeding 100°C because of the product properties or other requirements.
Fact 18 *Nanomaterials*	No product and no packaging material in this brochure contains nanomaterials.
Fact 19 *Field of application/ Concentrations*	The basic fields of application are described in this brochure. Many others are possible, it all depends on the user's know-how. Are you 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. The range is "0 – 100%".
Fact 20 *Products for children, eyes, mucous membrane and damaged skin*	Documented by many years of safe use of our products and underpinned by toxicological data, all the arguments are in favour of use in children's products or products for application to mucous membranes or damaged skin. Examples include baby-care series based on petroleum jelly, pharmaceutical petroleum jelly preparations for the eyes, and numerous ointments for treating skin diseases such as neurodermatitis or 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 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 sterilization stage may nevertheless 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 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 Team at the Personal Care Business Unit