



INFORMAZIONI TOSSICOLOGICHE
TOXICOLOGICAL INFORMATION

Revisione n°
Revision n° 06

1. Informazioni generali <i>General information</i>	
1.1 Nome commerciale <i>Trade name</i>	FLEROGUM O 24 - E
1.2 Produttore/Fornitore (indirizzo, telefono, fax, contatto) <i>Manufacturer/Supplier</i> (address, phone no., fax no., contact person)	ZSCHIMMER & SCHWARZ ITALIANA Via A. Ariotto 1/C - 13038 Tricerro (VC) Italy Tel: +39 (0)161 808111 Fax: +39 (0)161 801002 e.merlo@zschimmer-schwarz.com
1.3 Categoria della material prima (es. tensioattivo anionico) <i>Raw material category</i> (e.g. anionic surfactant)	Soap
1.4 Nome chimico <i>Chemical name</i>	Potassium olivate
1.5 Nome INCI (CTFA) Composizione <i>INCI (CTFA) name</i> <i>Composition</i>	Potassium Olivate: 18% - 22% Aqua: to 100%
1.6 N° EC (EINECS-/ELINCS) <i>EC (EINECS/ELINCS) no.</i>	268-921-2
1.7 N° CAS <i>CAS no.</i>	68154-77-8

<p>1.8 Registrazioni (es. UE, USA, Giappone) - REACH - Certificazione</p> <p><i>Registration status (e.g. EU, USA, Japan) - REACH – Certification</i></p>	<p>TSCA (USA), NDSL (Canada), EINECS (Europa), ASIA-PAC (Asia-Pacific) and ECL (Korea).</p> <p>Japanes have recently changed their system, so that publication in the Japanese list of approved ingredients is no longer necessary. Any cosmetic ingredient is now allowed in Japan with no prior approval.</p> <p>The product is according to the China Cosmetic Ingredient list 2015 n° 02518.</p> <p>Product is not a biocidal according to Regulation 528/2012.</p> <p>The product is not a phytosanitary according to Regulation 1107/2009.</p> <p>REACH registration: absent according to Annex V.</p> <p>None of substances listed in the “candidate” list (12 January 2017) of substances of very high concern (SVHC) are contained in the product in a relevant amount.</p> <p>Heavy metals are listed on PO 65 (California law).</p> <p>Product is ECOCERT/COSMOS certified.</p> <p>ISO 16128: derived natural ingredient</p> <p>% natural origin: 87.5% (on 100% molecule)</p>
<p>2. Informazioni sulla produzione</p> <p>Information on production</p>	
<p>2.1 Origine della materia prima (vegetale, animale, sintetica)</p> <p><i>Origin of starting material</i> (plant, animal, synthetic)</p>	<p>Vegetable (87.5%) and synthetic origin.</p> <p>Oleic acid comes from hydrolysis and further distillation of olive oil.</p> <p>Potassium Hydroxide (KOH) is mineral.</p>
<p>2.2 La materia prima deriva da organismi geneticamente modificati (OGM)?</p> <p><i>Is the starting material derived from genetically modified organisms (GMO)?</i></p>	<p>No</p>
<p>2.3 Informazioni sul processo di produzione (descrizione generale)</p> <p><i>Information on production process</i> (general description)</p>	$ \begin{array}{c} \text{O} \\ \parallel \\ \text{R} - \text{C} - \text{OH} \end{array} + \text{KOH} \xrightarrow{\Delta} \begin{array}{c} \text{O} \\ \parallel \\ \text{R} - \text{C} - \text{O}^- \text{K}^+ \end{array} + \text{H}_2\text{O} $ <p>R = CH₃-(CH₂)₇-CH=CH-(CH₂)₇-</p>

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3. Additivi <i>Additives</i>	
3.1 Conservanti/Biocidi <i>Preservatives/Biocides</i>	Not added and not expected
3.2 Antiossidanti <i>Antioxidants</i>	Not added and not expected
3.3 Solventi <i>Solvents</i>	Water
3.4 Sbiancanti <i>Bleaching agents</i>	Not added and not expected
3.5 Altri <i>Others</i>	/
4. Specifiche microbiologiche Microbiological specification	
4.1 Conta microbica totale (ufc/g) <i>Total viable count (colony-forming units/g)</i>	less than 10 ufc/g
5. Residui del processo di lavorazione La presenza di tracce delle sostanze elencate in Allegato II del Regolamento No. 1223/2009 (che sostituisce la Direttiva 76/768/CEE) (incl. CMR cat. 1A, 1B e 2 sostanze contrassegnate con *) deve essere dimostrata come presenza tecnicamente inevitabile lavorando in GMP e deve essere conforme all'Articolo 17 del Regolamento No. 1223/2009. <i>By-products</i> <i>The presence of traces of the substances listed in Annex II of Regulation No. 1223/2009 (replaced Directive 76/768/EEC) (incl. cmr cat. 1A, 1B and 2 substances marked with *) shall be allowed provided that such presence is technically unavoidable in good manufacturing practice and that it conforms with Article 17 of Regulation No. 1223/2009.</i>	
5.1 1,4-Diossano * <i>1,4-Dioxane *</i>	Based on information concerning the raw materials, production process and equipment used it is not likely to be present.

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5.2	Ossido di etilene * <i>Ethylene oxide *</i>	Based on information concerning the raw materials, production process and equipment used it is not likely to be present.
5.3	Solventi residui <i>Residual solvents</i>	Based on our actual knowledge of our production process, raw materials and equipment used, no solvent is used in the manufacturing process, only water
5.4	Monomeri residui <i>Residual monomers</i>	Based on information concerning the raw materials, production process and equipment used they are not likely to be present.
5.5	Ammine <i>Amines</i>	Based on information concerning the raw materials, production process and equipment used they are not likely to be present.
5.6	Nitrosammine <i>Nitrosamines</i>	Based on information concerning the raw materials, production process and equipment used they are not likely to be present.
5.7	Metalli pesanti <i>Heavy metals</i>	Arsenic (As) < 2 ppm, Antimony (Sb) < 5 ppm, Lead (Pb) < 1 ppm, Cadmium (Cd) < 2 ppm, Mercury (Hg) < 2 ppm, Nickel (Ni) < 1 ppm, Chromium (Cr) < 2 ppm, Total heavy metals (as Fe) < 10 ppm
5.8	Acido monocloroacetico <i>Monochloroacetic acid</i>	Based on information concerning the raw materials, production process and equipment used it is not likely to be present.
5.9	Acido dicloroacetico <i>Dichloroacetic acid</i>	Based on information concerning the raw materials, production process and equipment used it is not likely to be present.
5.10	Allergeni <i>Allergens</i>	Based on information concerning the raw materials, production process and equipment used fragrance allergens as of EU Regulation 1223/2009 Annex III, No. 67-92 are not likely to be present.
5.11	Altri (e.g. CMR) <i>Others (e.g. CMR)</i>	Free potassium hydroxide: 0.2% maximum Based on information concerning the raw materials, production process and equipment used CMR substances according to Annex VI of the CLP Regulation (EC) 1272/2008 are not likely to be present.

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6. Tossicologia <i>Toxicology</i>	
6.1 Informazioni sulla tossicità acuta <i>Information on acute toxicity</i>	- LD50 on rats > 2000 mg/kg (from literature and information on product)
6.2 Informazioni sull'irritazione cutanea <i>Information on skin irritation</i>	- Product as it is = Irritant (from literature and information on product) - Soap concentrations of 10% or more may be irritating to skin and concentrations above 30% cause severe local irritation (Gloxhuber and Künstler 1992)
6.3 Informazioni sull'irritazione oculare <i>Information on irritation of the mucous membrane</i>	- Product as it is = Irritant (from literature and information on product) - The only soaps that lead to permanent corneal damage are those containing large amounts free alkali and having a pH value of more than 12 (Grant and Schuman 1993) - Accidental contact of the human eye with soap or soap powder followed by rapid rinsing of the eyes is not expected to cause severe reactions and reactions observed usually disappear quickly (Gloxhuber and Künstler 1992)
6.4 Informazioni sulla sensibilizzazione <i>Information on sensitisation potential</i>	Not sensitizing (from literature and information on product/similar products)
6.5 Informazioni sulla genotossicità <i>Information on gene toxicity</i>	Ames test = None mutagenic effects (from literature and information on product/similar products)
6.6 Informazioni sull'assorbimento percutaneo <i>Information on percutaneous permeation</i>	Not determined
6.7 Altri (e.g. NOAEL) <i>Others (e.g. NOAEL)</i>	NOAEL = 750 mg/kg x bw/d (reproductive toxicity, rats, oral) (data from Sodium Laurate, similar molecule) Carcinogenicity: Both oral administration and dermal exposures to soap (potassium soap) gave negative results in carcinogenicity tests with laboratory animals (Gloxhuber and Künstler 1992)

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7. Ecotossicità <i>Ecology</i>	
7.1 Degradabilità/Eliminazione <i>Degradability/Elimination</i>	Aerobic: readily biodegradable, 100% after 28 days (our test SAM2467i dated 04.10.05 effectuated on Potassium Cocoate) Anaerobic: anaerobic biodegradable (Ecolabel DID List n° 2025 for cosmetics, n° 15 for detergents)
7.2 Tossicità acquatica acuta <i>Acute aquatic toxicity</i>	- LC50 on Fish > 1 mg/l (from literature) - EC50 on Daphnia > 10 mg/l (from literature) - EC50 on Algae > 10 mg/l (from literature)
7.3 Altri <i>Others</i>	/
8. Informazioni aggiuntive (Per i dettagli sulle specifiche vedere il bollettino tecnico allegato; per i dettagli sull'etichettatura e la classificazione vedere la scheda di sicurezza allegata.) <i>Additional information</i> (For details on specification see enclosed instruction sheet; for details on labelling and classification see enclosed safety data sheet.)	
Dichiarazione BSE <i>BSE statement</i> Dichiarazione test animali <i>Non-animal testing declaration</i> Glicol eteri <i>Glycol ethers</i> Ftalati, DINP (diisononyl phtalate) <i>Phtalates, DINP (diisononil ftalato)</i>	The product is not from animal origin. Furthermore it doesn't contain any ingredient of animal origin, it is not produced using ingredients of animal origins and it doesn't come into contact with animal origin ingredients at any stage of its production. It is therefore BSE free. ZSCHIMMER & SCHWARZ ITALIANA has never made or commissioned animal tests on this product for cosmetic purpose. Based on information concerning the raw materials, production process and equipment used they are not likely to be present. Based on information concerning the raw materials, production process and equipment

Parabeni
Parabens

Siliconi
Silicons

Glutine
Gluten

Formaldeide
Formaldehyde (Formol)

VOC
VOC compounds

Fitofarmaci
Plant protection products

APEO, cloroparaffine, composti organici alogenati
APEOs, chloroparaffines, AOX

Mercaptani
Mercaptanes

Melamine
Melamine

Lattosio
Lactose

Aflatossine/Micotossine
Aflatoxines/Mycotoxines

Lattice
Latex

used phthalates listed in EU Regulation 1223/2009 Annex II are not likely to be present.

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Based on information concerning the raw materials, production process and equipment used formaldehyde is not likely to be present.

The product doesn't contain any of the substances that are classified as VOC according to "Ordonnance sur taxe d'incitation sur les composés organiques volatils (OCOV) du 12 novembre 1997".

Based on information concerning the raw materials, production process and equipment used plant protection products are not likely to be present.

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Based on information concerning the raw materials, production process and equipment used aflatoxin/mycotoxin are not likely to be present.

The product doesn't contain natural latex and that natural latex is not used/produced in any step of the production process.

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<p>Nitrati e Nitriti <i>Nitrates and Nitrites</i></p> <p>Amine aromatiche <i>Aromatic amines</i></p> <p>Coloranti azoici <i>Azo dyes</i></p> <p>Ormoni, antibiotici e steroidi <i>Hormones, antibiotics and steroids</i></p> <p>PBT/vPvB <i>PBT/vPvB</i></p> <p>Materiale radioattivo <i>Radioactive material</i></p> <p>Nanomateriali <i>Nanomaterials</i></p> <p>Idrocarburi Policiclici Aromatici <i>Polycyclic Aromatic Hydrocarbons (HAP)</i></p> <p>Grado cosmetico <i>Cosmetic grade</i></p> <p>Convenzione CITES <i>CITES Convention</i></p>	<p>Based on information concerning the raw materials, production process and equipment used they are not likely to be present.</p> <p>Based on information concerning the raw materials, production process and equipment used aromatic amines are not likely to be present.</p> <p>Based on information concerning the raw materials, production process and equipment used azo dyes are not likely to be present.</p> <p>Based on information concerning the raw materials, production process and equipment used they are not likely to be present.</p> <p>Based on information concerning the raw materials, production process and equipment used they are not likely to be present.</p> <p>Based on information concerning the raw materials, production process and equipment used radioactive material is not expected to be present and no irradiation has been used.</p> <p>The product doesn't contain any nanomaterials according to the new European Cosmetic Regulation 1223/2009/EC and any nanotechnology is used to produce it</p> <p>Based on information concerning the raw materials, production process and equipment used polycyclic aromatic hydrocarbons are not likely to be present.</p> <p>The product is of cosmetic grade and it can be used in cosmetic products. It is according Regulation 1223/2009, its annexes and its further amendments.</p> <p>Not applicable, cultivated vegetable raw materials</p>
<p>8.1 Data di scadenza <i>Shelf life</i></p>	<p>The product, if well preserved and in its original containers, maintains its appearance and characteristics for at least one year from delivery date. After this time, product can be used but it must be rechecked.</p>
<p>8.2 Stoccaggio <i>Storage recommendation</i></p>	<p>Store in cool and adequately ventilated premises; protect from cold. At temperatures below 10°C and on prolonged storage the product can become turbid. The</p>

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	material can be restored to its original appearance by indirect heating and stirring. This doesn't affect the quality of the product. Avoid overheating. Always homogenize before using.
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Data / *Date* 29/07/19

Queste informazioni si riferiscono solo al prodotto sopramenzionato e non possono essere considerate valide per altri prodotti o in altri processi produttivi. Le informazioni sono corrette e complete secondo le nostre attuali conoscenze e sono date in buona fede ma senza garanzia. E' responsabilità dell'utilizzatore l'assicurarsi che le informazioni siano appropriate e complete per lo specifico uso del prodotto.

This Information refers only to the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his specific use of this product.