

Zschimmer & Schwarz Italiana - 13038 - Tricerro (VC) / ITALY

INFORMAZIONI TOSSICOLOGICHE TOXICOLOGICAL INFORMATION

Revisione n° Revision n° 12

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1.	Informazioni generali General information	GAMMA* CHIMICA SIGN Anniestratura to colestrat Via Beganna, B. 20045 Lainate f +39 02 93179 01 www.gassnachhrida.lt
1.1	Nome commerciale	SULFETAL LA B - E
	Trade name	
1.2	Produttore/Fornitore (indirizzo, telefono, fax, contatto) Manufacturer/Supplier (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)	Anionic surfactant
	Raw material category (e.g. anionic surfactant)	
	Sulfuric acid, mono-C12-14(even numbered)-alkyl esters, ammonium salts	
	Chemical name	alkyr esters, arrifformum saits
1.5	Nome INCI (CTFA) Composizione	Ammonium Lauryl Sulfate: 26.5% - 27.5% Aqua: to 100%
	INCI (CTFA) name Composition	Preservative is listed at pont 3.1
1.6	N° EC (EINECS-/ELINCS)	List number: 931-558-1
	EC (EINECS/ELINCS) no.	Previous EC: 292-209-0 Alternative: 218-793-9
1.7	N° CAS	Previous CAS: 90583-11-2
	CAS no.	Alternative: 2235-54-3

1.8	Registrazioni (es. UE, USA, Giappone) - REACh - Certificazione	For <u>CAS 90583-11-2</u> : IECSC (China Chemical), IECIC (China Cosmetic Ingredient),
	Registration status (e.g. EU, USA, Japan) - REACh - Certification	TCSI (Taiwan), KECI (Korea), NZIoC (New Zealand)
		For <u>CAS 2235-54-3</u> : IECSC (China Chemical), IECIC (China Cosmetic Ingredient), TCSI
		(Taiwan), KECI (Korea), TSCA (USA), NZIoC
		(New Zealand), PICCS (The Philippines), AICS (Australia), DSL (Canada)
		Notes: in Japan authorities currently do not require pre-market approval for cosmetic raw
		materials. This is also true for Brazil, South
		Korea, Philippines, USA (only for cosmetic raw materials).

Product is not a biocidal according to Regulation 528/2012.

The product is not a phytosanitary according to Regulation 1107/2009.

REACh registration n° 01-2119519217-42-0006.

None of substances listed in the "candidate" list of substances of very high concern (SVHC) are contained in the product in a concentration > 0.1%.

PO 65 (California law): see point 5.7.

2.	Informazioni sulla produzione Information on production	
2.1	Origine della materia prima (vegetale, animale, sintetica) Origin of starting material (plant, animal, synthetic)	Vegetable and synthetic origin. Fatty alcohol is from vegetable origin. It comes from palm kernel oil from Elaeis Guineenis (Malaysia and Indonesia). Oil is then hydrolyzed and acid so obtained hydrogenated in order to obtain fatty alcohol. NH ₃ and Sulfur are synthetic (Europe). Production site Tricerro (Europe)
2.2	La materia prima deriva da organismi geneticamente modificati (OGM)? Is the starting material derived from genetically modified organisms (GMO)?	No

2.3	Informazioni sul processo di produzione (descrizione generale) Information on production process (general description)	S burns in presence of air giving SO ₂ S + O ₂ (from air) → SO ₂ SO ₂ is converted in SO ₃ SO ₂ + ½ O ₂ (from air) → SO ₃ SO ₃ reacts with fatty alcohol giving an acidic intermediate that is then neutralized with NH ₃ SO ₃ + ROH → ROSO ₃ H Control: acidity number ROSO ₃ H + NH ₃ → (ROSO ₃) NH ₄ + Control: according to specifications
		Control: according to specifications

3.	Additives	
3.1	Conservanti/Biocidi Preservatives/Biocides	0.40% - 0.60% of Sodium Benzoate
3.2	Antiossidanti Antioxidants	Not added and not expected
3.3	Solvents Solvents	Water
3.4	Sbiancanti Bleaching agents	Not added and not expected
3.5	Altri Others	Citric acid can be used to regulate pH (0% - 0.6%).

4.	Specifiche microbiologiche	
	Microbiological specification	

4.1 Conta microbica totale (ufc/g)

less than 10 cfu/g

Total viable count (colony-forming units/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.

By-products

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

	technically unavoidable in good manufacturing prac 1223/2009.	ctice and that it conforms with Article 17 of Regulation No.
5.1	1,4-Diossano * 1,4-Dioxane *	Based on information concerning the raw materials, production process and equipment used it is not likely to be present.
5.2	Ossido di etilene * Ethylene oxide *	Based on information concerning the raw materials, production process and equipment used it is not likely to be present.
5.3	Solventi residui Residual solvents	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 Residual monomers	Based on information concerning the raw materials, production process and equipment used they are not likely to be present.
5.5	Ammine Amines	Based on information concerning the raw materials, production process and equipment used they are not likely to be present.
5.6	Nitrosammine Nitrosamines	Based on information concerning the raw materials, production process and equipment used they are not likely to be present.
5.7	Metalli pesanti Heavy metals	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 Monochloroacetic acid	Based on information concerning the raw materials, production process and equipment used it is not likely to be present.
5.9	Acido dicloroacetico Dichloroacetic acid	Based on information concerning the raw materials, production process and equipment used it is not likely to be present.
5.10	Allergens Allergens	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. Based on information concerning the raw materials, production process and equipment used food allergens as of EU Directive 2000/13/EC (as amended), Annex IIIa and Regulation (EU) 1169/2011, Annex II are not likely to be present
5.11	Altri (e.g. CMR) Others (e.g. CMR)	Unsulfated fatty alcohol: 1% maximum Ammonium sulfate: 1% maximum Ammonium chloride: 0.5% 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 and (EC) 2019/831 are not likely to be present.

6.	Tossicologia Toxicology	
6.1	Informazioni sulla tossicità acuta Information on acute toxicity	- LD50 oral on rats > 500 < 2000 mg/kg/bw (from literature, Read Across, EU Method B.1 bis, 1994) - LD50 dermic on rats > 2000 mg/kg/bw (from literature, Read Across, OECD 202, 2012)
6.2	Informazioni sull'irritazione cutanea Information on skin irritation	- From light irritant to strong irritant according to concentration and application way (CIR data) - Skin Irritation on rabbits: irritant (from literature, Read Across, OECD 404, 1976)

6.3	Informazioni sull'irritazione oculare Information on irritation of the mucous membrane	- Draize test, sol. 2% = Lightly irritant after 1 hour and not irritant after 7 days (J. of the American College of Toxicology, Vol. 2, n° 7, 1983) - Draize test, sol. 10% = Medium irritant after 24 hours and light irritant after 7 days (J. of the American College of Toxicology, Vol. 2, n° 7, 1983) - Draize test, sol. 20% = Strong irritant after 1 day and light irritant after 7 days (J. of the American College of Toxicology, Vol. 2, n° 7, 1983) - Eye Irritation on rabbits: irritant (from literature, Read Across, OECD 405, 1988)
6.4	Informazioni sulla sensibilizzazione Information on sensitisation potential	Kligman & Magnusson Test = Not sensitizing (J. of the American College of Toxicology, Vol. 2, n° 7, 1983) - In vivo (non-LLNa) = Not sensitizing (from literature, Read Across, OECD 406, 1988)
6.5	Informazioni sulla genotossicità Information on gene toxicity	Ames test = None mutagenic effect (from literature, Read Across, OECD 471, 1987)
6.6	Informazioni sull'assorbimento percutaneo Information on percutaneous permeation	Data from Sodium Lauryl Sulfate. Both products have in fact similar chemical structure. - The presence of a strongly anionic terminal group in the surfactant reduces its skin penetration capacity (CIR: Prottley, J. Soc. Cosmet. Chem. 26, 29-46, 1975) - In vitro, rat, 0.5 ml, sol. 25 mM: none measurable penetration till 24h after contact, 30% of marked in rinsing-off and 70% on skin after 24h (CIR: Howes J. Soc. Cosmet. Chem 26(1)47-63, 1975) - In vitro, human skin, 0.1 ml, sol. 25 mM: none measurable penetration till 24h and then 3.9 + 3.6 mg/cm² penetration, after 48 h 87.2 + 24.1 mg/cm² permeation (CIR: Howes J. Soc. Cosmet. Chem 26(1)47-63, 1975)
6.7	Altri (e.g. NOAEL) Others (e.g. NOAEL)	NOAEL = 488 mg/kg x bw/d (from literature, Read Across on rats, OECD 408, 1976)

Ecotossicità	
Ecology	
Degradabilità/Eliminazione Degradability/Elimination	Aerobic: readily biodegradable (our test SAM2467-4i dated 04.10.05 made on Sodium Lauryl Sulfate. Both molecules have in fact similar chemical structure) Anaerobic: anaerobic biodegradable (Ecolabel DID List n° 5 for detergent products and n° 2005 for cosmetics)
Tossicità acquatica acuta Acute aquatic toxicity	- LC50 on Fish = 3.2 mg/l/96h (from literature, Read Across, OECD 203, 1991) - EC50 on Daphnia = 4.7 mg/l/48h (from literature, Read Across, EG/92/69/EWG, 1993) - EC50 on Algae = 11 mg/l/72h (from literature, Read Across, EU Method C.3, 1995)
Altri Others	/
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.) Additional information (For details on specification see enclosed instruction sheet; for details on labelling and classification see enclosed safety data sheet.)	
Dichiarazione BSE/TSE BSE/TSE statement	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/TSE free.
Dichiarazione test animali Non-animal testing declaration	ZSCHIMMER & SCHWARZ ITALIANA has never made or commissioned animal tests on this product for cosmetic reason.
Glicol eteri Glycol ethers	Based on information concerning the raw materials, production process and equipment used they are not likely to be present.
	Degradabilità/Eliminazione Degradability/Elimination Tossicità acquatica acuta Acute aquatic toxicity Altri Others 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.) Additional information (For details on specification see enclosed instruction sheet; for details on labelling and classification see enclosed safety data sheet.) Dichiarazione BSE/TSE BSE/TSE statement Dichiarazione test animali Non-animal testing declaration Glicol eteri

Ftalati, DINP (diisononyl phtalate) Phtalates, DINP (diisononil ftalato)

Etanolo Ethanol

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 Based on information concerning the raw materials, production process and equipment used phthalates listed in EU Regulation 1223/2009 Annex II are not likely to be present.

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

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

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 composes organiques volatils (OCOV) du 12 novembre 1997" or according to Directive 2004/42/EC.

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

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

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

Lattice Latex

Nitrati e Nitriti Nitrates and Nitrites

Amine aromatiche Aromatic amines

Coloranti azoici Azo dyes

Ormoni, antibiotici e steroidi Hormones, antibiotics and steroids

PBT/vPvB PBT/vPvB

Materiale radioattivo Radioactive material

Nanomateriali Nanomaterials

Idrocarburi Policiclici Aromatici
Plycyclic Aromatic Hydrocarbons (HAP)

Grado cosmetico Cosmetic grade

Certificato Kosher Kosher certificate

Convenzione CITES CITES Convention

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

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 used aromatic amines are not likely to be present.

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

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 used they are not likely to be present.

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.

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

Based on information concerning the raw materials, production process and equipment used polycyclic aromatic hydrocarbons are not likely to be present.

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. We are EFfCI GMP certified.

Yes

Not applicable, cultivated vegetable raw materials

8.1	Data di retest Retest date	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 (pH, aspect and microbial contamination). According to temperature, pH can decrease. This doesn't affect the quality of the product till pH is higher than 4.0.
8.2	Stoccaggio Storage recommendation	Store at room temperature (15°C-25°C). At temperatures lower than 10°C product can become turbid. The material can be restored to its original appearance by indirect heating at 30°C-40°C and stirring. This doesn't affect the quality of the product.

Data / Date 29/11/2021

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.