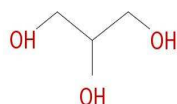


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INCI: **glycerin**
N° CAS: 56-81-5
N°EINECS/ELINCS: 200-289-5

DESCRIPTION / DESCRIPTION:

Liquide sirupeux, onctueux au toucher, incolore ou sensiblement incolore, limpide, très hygroscopique /
Syrupy, ontous liquid at touch, colorless or sensibly colorless, clear, very hydroscopic

Matière première d'origine végétale 100% colza sans trace de palme / *Vegetable product 100% rapeseed, without palm.*

Produit conforme à la Pharmacopée Européenne en vigueur (monographie : Glycérol) / *Product in conformity with the European Pharmacopoeia in force (monograph: Glycerol)*

Conforme au référentiel Cosmos / *conform to Cosmos standards.*

CARACTERISTIQUES GARANTIES / GUARANTEED SPECIFICATIONS:

CARACTERISTIQUES	SPECIFICATIONS	METHODES / METHODS
Identification A, B, C, D / <i>Identity A, B, C, D</i>	Pass	Ph. Eur.
Aspect de la solution / <i>aspect of the solution</i>	Conforme / <i>compliant</i>	Visuelle / <i>Visual</i>
Teneur en Glycérol / <i>Glycerol content</i>	≥ 99.5 %	Ph. Eur.
Couleur / <i>Color</i> (APHA)	≤ 10	ISO 6271
Acidité ou Alcalinité / <i>Acidity</i>	≤ 0.2 ml NaOH 0.1M	Ph. Eur.
Indice de Réfraction / <i>Refractive index</i> (20°C)	1.471 – 1.474	Ph. Eur.
Aldéhydes / <i>aldehydes</i>	≤ 10 ppm	Ph. Eur.
Esters	≥ 8 ml HCl 0.1 M	Ph. Eur.
Impureté A / <i>Impurity A</i> (diethylene glycol)	≤ 0.1%	Ph. Eur.
Autre impureté / <i>other impurity</i>	Conforme / <i>Compliant</i>	Ph. Eur.
Composés Halogénés / <i>Halogenated compounds</i>	≤ 30 mg/kg	Ph. Eur.
Sucres / <i>sugars</i>	Conforme / <i>Compliant</i>	Ph. Eur.
Chlorures / <i>Chlorides</i>	≤ 10 mg/kg	Ph. Eur.
Métaux Lourds / <i>Heavy metals</i>	≤ 5 mg/kg	Ph. Eur.
Teneur en eau / <i>water content</i>	≤ 0.5 %	Ph. Eur.
Cendres Sulfuriques / <i>sulfuric ashes</i>	≤ 0.01 %	Ph. Eur.
Densité (20°C) / <i>density</i>	≥ 1.257	Valeur à titre indicatif / <i>Indicative value</i>

Ces éléments seront repris sur nos BA / *these elements will be on our CoA*

CARACTERISTIQUES A TITRE D'INFORMATION / ADDITIONAL INFORMATION:

Soluble dans l'eau et l'alcool, peu soluble dans l'acétone, pratiquement insoluble dans l'éther, dans les huiles grasses et dans les huiles essentielles / *Soluble in water and alcohol, slightly soluble in acetone, practically insoluble in ether, in fatty oils and in essential oils*

Arsenic: ≤ 0.1 mg/kg (DIN EN 15763)

Mercuy: ≤ 0.1 mg/kg (SOP M 2567)

Cadmium: ≤ 1 mg/kg (DIN EN 15763)

Lead: ≤ 0.1 mg/kg (DIN EN 15763)

Nickel: ≤ 20 mg/kg (DIN EN 15763)

Composés Acroleine, glucose, ammonium / *Acroleine, glucose, ammonium components*: Négatif / *Negative* (REG EU 231/2012 no E422)

Butanetriols: 0, 2 % (GC-MS)

3-MCPD: 0, 1% (GC-MS)

Sodium: 0.1% (DIN EN 15510)

Potassium: ≤ 0.1% (DIN EN 15510)

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APPLICATIONS:

Peintures, cellophane, explosif. Mousse polyuréthane / *Paints, Cellophane, explosive, polyurethan foam*
Produits alimentaires, cosmétiques et pharmaceutiques / *Food products, cosmetics and pharmaceuticals*

CONDITIONNEMENT STANDARD / STANDARD PACKAGING :

IBC de 1250kg - Fut plastique de 250 kg - Tonnelet plastique de 60 kg / *IBC of 1250 kg – Plastic drum of 250 Kg - Plastic drum of 60 Kg.*

Additives	No additives substances are used , no sulphur dioxide and sulphites at concentrations of more than 10mg/kg or 10ml/l, no BHT, no formaldehydes and formaldehydes releasers have been used
Allergen	Doesn't contain food allergen, nuts. Pharma glycerin is excluded from the obligation of labeling of allergens according to Regulation (EU) 1169/2011 article 21 annex II due to absence of protein
Animal Testing	This product has not been the subject of animal testing
BSE - Bovine Spongiform Encephalopathy	This product contains no animal derived ingredients so BSE/TSE free
California Prop 65	This product (CAS: 56-81-5) is not listed
Carcinogenic, Mutagenic and Reprotoxic (CMR)	Substances listed in the CMR substances are not present in amounts of 0,1% or more
Composition	100% Glycerin
Cosmetic	This product is conform to the cosmetic regulation (EC) 1223/2009
Cosmos / Ecocert	This glycerin grade is accepted by Cosmos (see our attestation)
Danger	This product is not dangerous – not concerned by CLP and ADR.
Dioxane	Doesn't contain 1,4-dioxane
Ecolabel	<i>No data available</i>
European Pharmacopeia	This product is conform to the European Pharmacopoeia No 01/2017:0496 and the US Pharmacopoeia (monograph: glycerin 92.10)
Food	Food additives, conform to regulation EU 231/2012 – criteria E 422 For feed : Conform to regulation EI 2017/1017 amending regulation EU 68/2013 – N° 13.8.2 and direct food contact packaging complies with materials and articles with food legislation
Genetically Modified Organisms (GMO)	Standard production is non-GMO, GMO free.
Inventories	All substance used in formulation are listed in chemical inventories: - Europe EINECS- US TSCA- Canada DSL- China IECSC- Japan ENCS- Korea KECI- Philippines PICCS- Australia AICS- Taiwan CSNN- New Zealand NZIoC
Geographic origin (for plant)	Europe
Glycol ether	Doesn't contain glycol ether
Halal	This product is not Halal certified but doesn't contain any Haram product
Heavy Metals	Doesn't contain heavy metals if present the concentration levels are ≤ 5ppm
HS code	29054500
Irradiation / ionization	This product has not been irradiated or ionized
Kosher	This product is kosher certified

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Latex	<i>No data available</i>
Manufacturing location	The Netherlands
Microbiological data	This product is tested every 12 months and the total plate count and total viable count are < 1000, Aw <0.08 resulting in an Environnement where microorganisms cannot exist
Nanomaterials	Doesn't contain nanomaterials (2011/696 and 1223/2009)
Nutritional data	Energy value: 1000kJ/240kcal, fat < 0.1g, polyol > 99.5g, protein <0.1g, salt <0.05g, dietary fiber < 0.1g
Origin	100% Vegetal, 100% rapeseed
Pesticide	Doesn't contain pesticides
Phthalate	No phthalate have been used during the production
Preservative	No preservative substances are used in this product
Process	Originated from production of biodiesel by transesterification of oils and fats with subsequent refining of the glycerine (distillation). The trans-esterification process consists in reacting a triglyceride with the lower alcohol methanol [CH ₃ OH] in order to obtain an ester (methyl or ethyl ester) and glycerine. Distillation is done in vacuum and steam combined conditions followed by treatment with active carbon.
REACH	The product is exempted according to REG 987/2008/EC Annex V no. 9
Residual Solvents	Doesn't contain residual solvents (note CPMP/ICH/283/95)
RSPO	Doesn't contain palm – not concerned
Shelf Life	12 months
Substances of Very High Concern (SVHC)	Substances listed in the current version of the SVHC candidate list are not present in amounts of 0,1% or more
Volatiles organic compounds (VOC)	Doesn't contain VOC (Directive 2004/42/EC)

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Ce document annule et remplace tous documents techniques ou réglementaires précédents / *This document cancels and replaces all technical and regulatory previous documents.*