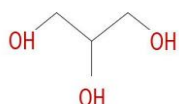


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INCI: **glycerin**
N° CAS: 56-81-5
N°EINECS/ELINCS: 200-289-5

DESCRIPTION / DESCRIPTION:

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

Matière première d'origine végétale / *Raw material of vegetable origin*

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

CARACTERISTIQUES GARANTIES / GUARANTEED SPECIFICATIONS:

CARACTERISTIQUES	SPECIFICATIONS	METHODES / METHODS
Identification A, B, C, D / <i>Identity A, B, C, D</i>	Pass	Pharmacopée Européenne / <i>European Pharmacopoeia</i>
Aspect de la solution / <i>Aspect of the solution</i>	Conforme / <i>Compliant</i>	
Teneur en Glycérol / <i>Glycerol content</i>	≥ 99.5 %	
Couleur / <i>Color</i> (APHA)	≤ 10	
Acidité ou Alcalinité / <i>Acidity</i>	≤ 0.2 ml NaOH 0.1M	
Indice de Réfraction / <i>Refractive index</i> (20°C)	1.471 – 1.474	
Aldéhydes / <i>Aldehydes</i>	≤ 10 ppm	
Esters	≥ 8 ml HCl 0.1 M	
Impureté A / <i>Impurity A</i> (diethylene glycol)	≤ 0.1%	
Autre impureté / <i>Other impurity</i>	Conforme / <i>Compliant</i>	
Composés Halogénés / <i>Halogenated compounds</i>	≤ 35 mg/kg	
Sucres / <i>Sugars</i>	Conforme / <i>Compliant</i>	
Chlorures / <i>Chlorides</i>	≤ 10 mg/kg	
Métaux Lourds / <i>Heavy metals</i>	≤ 5 mg/kg	
Teneur en eau / <i>Water content</i>	≤ 0.5 %	
Cendres Sulfuriques / <i>Sulfuric ashes</i>	≤ 0.01 %	
Densité (20°C) / <i>Density</i>	≥ 1.26	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*

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.*

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Additives	<i>No data available</i>
Allergen	Doesn't contain food allergen. 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 contain 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 Ecocert cosmetic standards
Danger	This product is not dangerous – not concerned by CLP and ADR
Dioxane	<i>No data available</i>
Ecolabel	<i>No data available</i>
European Pharmacopeia	This product is conform to the European Pharmacopoeia
Food	Food additives, conform to regulation EU 231/2012 – criteria E 422
Genetically Modified Organisms (GMO)	This product doesn't contain GMO
Inventories	Listed in chemical inventories: - Europe EINECS- US TSCA- Canada DSL- China IECSC- Japan ENCS- Korea KECI- Philippines PICCS- Australia AICS- New Zealand NZIoC
Geographic origin (for plant)	<i>No data available</i>
Glycol ether	<i>No data available</i>
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
Latex	<i>No data available</i>
Manufacturing location	France, Belgium, Germany
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 Environment 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% vegetable, mixed oil
Pesticide	<i>No data available</i>
Phthalate	<i>No data available</i>
Preservative	<i>No data available</i>
Process	Originated from production of biodiesel by transesterification of oils and fats with subsequent refining of the glycerin (distillation). The trans-esterification process consists in reacting a triglyceride with the lower alcohol methanol [CH3OH] in order to obtain an ester (methyl or ethyl ester) and glycerin. Distillation is done in vacuum and steam combined conditions followed by treatment with active carbon.

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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	This product is derived from palm oil. This product is not certified RSPO. This same product is also available with RSPO-MB grade on <u>request only</u> . Ask our product "GLYCERINE - RSPO-MB"
Shelf Life before re-check	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)	<i>No data available</i>

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