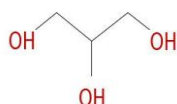


	Dossier technique et réglementaire / <i>Technical and regulatory document</i> GLYCERINE 99.5% VEGETALE	Février 2019 / <i>February 2019</i>
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INCI: **glycerin**
N° CAS: 56-81-5
N°EINECS/ELINCS: 200-289-5

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 / *Vegetable product*

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>	Passé / <i>Passed</i>	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)	1.470 – 1.475	
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 cosmétiques et pharmaceutiques / *Cosmetics and pharmaceuticals products.*

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.*

	Dossier technique et réglementaire / <i>Technical and regulatory document</i> GLYCERINE 99.5% VEGETALE	Février 2019 / February 2019
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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 can be used in cosmetic application
Cosmos / Ecocert	This product is not accepted by Ecocert
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	Not for food application
Genetically Modified Organisms (GMO)	Product may be produced from GMO plants
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 isn't kosher certified
Latex	<i>No data available</i>
Manufacturing location	<i>No data available</i>
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% vegetable, mixed oil mainly from palm
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 [CH ₃ OH] 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.
REACH	The product is exempted according to REG 987/2008/EC Annex V no. 9

	Dossier technique et réglementaire / <i>Technical and regulatory document</i> GLYCERINE 99.5% VEGETALE	Février 2019 / February 2019
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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.*