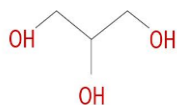


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INCI: **glycerin**
N° CAS: 56-81-5
N°EINECS/ELINCS: 200-289-5

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)	1.470 – 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 ppm	
Sucres / <i>Sugars</i>	Conforme / <i>Compliant</i>	
Chlorures / <i>Chlorides</i>	≤ 10 ppm	
Métaux Lourds / <i>Heavy metals</i>	≤ 5 ppm	
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*

Ne contient pas de protéine / *These products doesn't contain protein*

ISO 16128 : NI = 0 / NOI = 1 / OI = 0 / OOI = 0

Conforme à un régime Vegan

APPLICATIONS:

Peintures, cellophane, explosif. Mousse polyuréthane / *Paints, Cellophane, explosive, polyurethan foam*

Produits alimentaires, cosmétiques et pharmaceutiques / *Food products, cosmetics and pharmaceuticals*

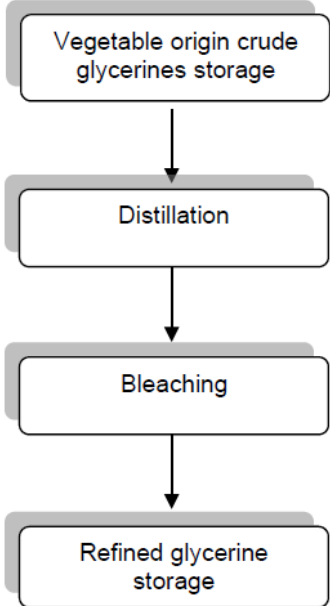
CONDITIONNEMENT STANDARD / STANDARD PACKAGING :

IBC de 1250kg - Fut plastique de 250 kg - Tonnelet plastique de 30/60 kg / *IBC of 1250 kg – Plastic drum of 250 Kg - Plastic drum of 30/60 Kg.*

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Additives	Additives are not expected to be present	
Allergen	Doesn't contain cosmetic allergen (1223/2009/CE & 2023/1545)	
Animal Testing	Have not been the subject of animal testing	
BSE - Bovine Spongiform Encephalopathy	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)	CMR are not expected to be present (1272/2008)	
Composition	> 99.5 % Glycerin and < 0.5% water (impurity) INCI : 100% glycerin	
Cosmetic	Complying to the cosmetic regulation (EC) 1223/2009 and amendments	
Cosmos / Ecocert	No data available	
Danger	This product is not dangerous – not concerned by CLP and ADR	
Dioxane	No data available	
Ecolabel	No data available	
European Pharmacopeia	Complying to the European Pharmacopoeia	
Food	Not tested/guarantee for food application	
Genetically Modified Organisms (GMO)	Doesn't contain GMO	
Inventories	Listed in chemical inventories: Australia (AIC) Canada (DSL) China (IECSC) Korea (KECL) Taiwan (TCSI)	Thailand (TECI) Vietnam (NCI) Japan (ENCS) New Zealand (NZIoC) Philippines (PICCS) USA (TSCA)
Geographic origin (for plant)	Seeds oils from European Union, Ukraine, Turkey, India	
Glycol ether	Not expected	
Halal	Conform to Halal requirement but no certified	
Heavy Metals	Heavy metals ≤ 5ppm	
HS code	29054500	
Irradiation / ionization	Has not been irradiated or ionized	
Kosher	Conform to kosher requirement but no certified	
Latex	Not expected	
Manufacturing location	European Union, Ukraine, Turkey, Brésil...	
Microbiological data	A microbiological risk can be excluded due to be an anhydrous product with water activity (aw) less than 0.6 that makes the medium unfavorable for microbiological development.	
Microplastics	Not expected to be present	
Nanomaterials	Doesn't contain nanomaterials (2011/696 and 1223/2009)	
Nitrosamines	Not expected	
Nutritional data	Energy value: 1000kJ/240kcal, fat < 0.1g, polyol > 99.5g,	protein <0.1g, salt <0.05g, dietary fiber < 0.1g
Origin	Mix-vegetable	
PAH / PFAS	PFAS not expected	
Pesticide	pesticides are not expected to be present in these products	
Phthalate	Phthalates are not expected to be present in these products	
Preservative	Preservatives are not expected to be present	

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Process	 <pre> graph TD A[Vegetable origin crude glycerines storage] --> B[Distillation] B --> C[Bleaching] C --> D[Refined glycerine storage] </pre>
REACH	The product is exempted according to Annex V
Residual Solvents	The manufacturing process does not involve any solvent, except for ethylene glycol which can be present in vegetable origin crude glycerines (starting materials). For this compound we can guarantee a max. level in our refined product of 0,1% as per Eur. Ph. Monograph 496 "Glycerol" (test "Impurity A and related substances")
RSPO	This product can be available palm free
Shelf Life before re-check	12 months
Substances of Very High Concern (SVHC)	SVHC are not expected to be present in these products
Volatiles organic compounds (VOC)	VOC are not expected to be present in these products

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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.*