

	Dossier technique et réglementaire / <i>technical and regularoty document</i> POLYSYNLANE	Novembre 2025 / <i>November 2025</i>
---	---	--------------------------------------

INCI: **Hydrogenated Polyisobutene**
N° CAS: 68937-10-0
N°EINECS/ELINCS: polymère / *polymer*

DESCRIPTION / *DESCRIPTION:*

Isoparaffine saturée et raffinée obtenue par polymérisation sélective d'isobutane. Son action est similaire à celle du squalène naturel. / *Saturated and raffined isoparaffine issus from polymerization by isobutan. Action is similar as natural squalen.*

Contient un anti-oxydant : Tocopherol – Vitamine E / *Contains tocopherol-vitamin E as anti-oxydant.* (cas : 1406-66-2) : 30-70ppm

CARACTERISTIQUES GARANTIES / *GUARANTEED SPECIFICATIONS:*

CARACTERISTIQUES	SPECIFICATIONS	METHODES
Couleur (APHA) / <i>color apha</i>	≤ 10	JIS K 4101
Densité (20°C) / <i>density (20°C)</i>	0.810-0.830	JSQI General test
Indice de Réfraction à 20°C / <i>refractive index (20°C)</i>	1.450 – 1.460	JSQI General test
Indice d'acide / <i>acide value</i>	≤ 0.1 mg KOH/g	JIS K 2501
Indice d'iode / <i>iodine value</i>	≤ 1.5 gI ₂ /100g	JSQI General test
Indice de saponification / <i>saponification value</i>	≤ 0.5 mg KOH/g	JIS K 0070
Viscosité cinématique à 37.8°C / <i>kinematic viscosity (37.8°C)</i>	19-23 mm ² /s	JIS K 2283
Point de congélation / <i>freezing point</i>	≤ -30	JSQI General test

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

CARACTERISTIQUES A TITRE D'INFORMATION / *ADDITIONAL INFORMATION:*

Insoluble dans l'eau / *insoluble in water*

Densité / *density* 20°C ~ 0.825

Vegan product

ISO 16128:

- Hydrogenated Polyisobutene : In = 0 / Ino = 0 / Io = 0 / Ioo = 0
- Tocopherol: In = 1 / Ino = 1 / Io = 0 / Ioo = 0

En conséquence, le polysynlane est un ingrédient non naturel selon les standard ISO 16128 / *Consequently, polysynlane is a non-natural ingredient according to the ISO 16128 standard*

Natural content : 0.005% / Natural origin content : 0.005%

APPLICATIONS :

Cosmetiques / *Cosmetics*


CONDITIONNEMENT STANDARD / *STANDARD PACKAGING:*

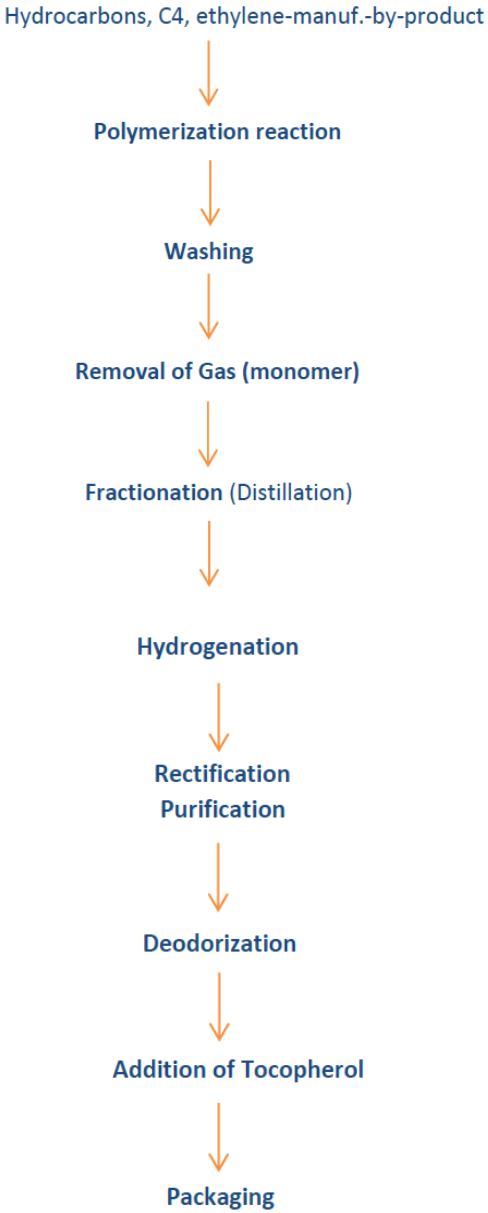
Fût de 160kg/ 160 kg drum

Additives	ethylene oxide, free amines, DEA, TEA, formaldehyde, sulphite, dimethyl sulphate, ethylene chlorohydrine, monochloro/dichloro acetic acid, octamethylcyclotetrasiloxane (D4) and butadiene substances are not intentionally
------------------	---

	Dossier technique et réglementaire / <i>technical and regularoty document</i> POLYSYNLANE	Novembre 2025 / November 2025
---	---	----------------------------------

	added, so are not tested but not expected to be present in this product
Allergen	Cosmetic allergens listed in annex III of regulation 1223/2009 & 2023/1545 and food allergens (1169/2011) are not tested but not expected
Animal Testing	This material has not been the subject of animal testing since 11 th March 2009 according to the regulation 1223/2009
BSE - Bovine Spongiform Encephalopathy	No risk of BSE
California Prop 65	<i>No data available</i>
Carcinogenic, Mutagenic and Reprotoxic (CMR)	No CMR substances of category 1A, 1B and 2 (regulation 1272/2008/CE & 2023/1490) are expected to be present
Composition	Hydrogenated Polyisobutene : 9.995% Tocopherol : typical 0.005%
Cosmetic	Can be used for cosmetics applications, comply to cosmetic regulation 1223/2009 and its amendments
Cosmos / Ecocert	This product contains synthetic ingredient not accepted by cosmos
Danger	This product is classified as dangerous in accordance with CLP but not concerned by ADR
Dioxane	Dioxine & 1,4-dioxane substances are not intentionally added, so are not tested but not expected to be present in this product
Ecolabel	<i>No data available</i>
European Pharmacopeia	<i>No data available</i>
Food	Is not a food grade product
Genetically Modified Organisms (GMO)	Doesn't contain GMO
Inventories	Hydrogenated Polyisobutene is listed in Canada DSL, China IECIC, USA FDA, Japan SCUPAA
Geographic origin (for plant)	Tocopherol from Soybean and rapeseed (seed) cultivated in Japan, USA, Canada, Australia
Glycol ether	Glycol ether substances are not intentionally added, so are not tested but not expected to be present in this product
Halal	<i>No data available</i>
Heavy Metals	Heavy metals substances are not intentionally added, so are not expected to be present in this product Hg not more than 0.40ppm Cd not more than 0.60ppm As not more than 1.5ppm Pb not more than 2ppm
HS code	3902200020
Irradiation / ionization	There is no ionization nor radiation treatment in this product
Kosher	<i>No data available</i>
Latex	<i>No data available</i>
Manufacturing location	Japan
Microbiological data	Water Activity (Aw = 0.36) Water Activity is a method applied by FDA to control growth of microorganisms (cf CFR Title 21 110.3). The products are in the range of "No microbial proliferation".

	Dossier technique et réglementaire / <i>technical and regularoty document</i> POLYSYNLANE	Novembre 2025 / November 2025
---	---	----------------------------------

Microplastics	Not expected (2023/2055)
Nanomaterials	This product doesn't contain nanomaterials (2011/696 & 1223/2009 and French decree 2012-232)
Nitrosamine	Not expected
Nutritional data	<i>No data available</i>
Origin	synthetic for Hydrogenated Polyisobutene + vegetal for tocopherol (soybean and rapeseed cultivated)
PAH/PFAS	Not expected
Pesticide	Pesticide substances are not intentionally added, so are not tested but not expected to be present in this product
Phthalate	Phthalate substances are not intentionally added, so are not tested but not expected to be present in this product
Preservative	Contain tocopherol
Process	 <pre> graph TD A[Hydrocarbons, C4, ethylene-manuf.-by-product] --> B[Polymerization reaction] B --> C[Washing] C --> D[Removal of Gas (monomer)] D --> E[Fractionation (Distillation)] E --> F[Hydrogenation] F --> G[Rectification Purification] G --> H[Deodorization] H --> I[Addition of Tocopherol] I --> J[Packaging] </pre>
REACH	Hydrogenated Polyisobutene is exempted as polymer and tocopherol is exempted because Q < 1T/year

	Dossier technique et réglementaire / <i>technical and regulatory document</i> POLYSYNLANE	Novembre 2025 / <i>November 2025</i>
---	---	---

	Monomère : hydrocarbures, C4, éthylène-manuf.-by-product (cas : 68476-52-8) is registered : 01-2119473796-21
Residual Solvents	Residual solvents are not intentionally added, so are not tested but not expected to be present in this product
RSPO	This product isn't derived from palm or palm kernel oil – Not concerned
Shelf Life	2 years
Substances of Very High Concern (SVHC)	Not expected
Volatiles organic compounds (VOC)	Not expected (2010/79)

----- **END**

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