

	Dossier technique et réglementaire / <i>Technical and regulatory document</i> <b>HERCOLYN D (ESTER DE COLOPHANE HYDROGENEE)</b>	Novembre 2019 / <i>November 2019</i>
---	--	--------------------------------------

INCI: Methyl hydrogenated rosinat  
N°CAS: 8050-15-5  
N°EINECS/ELINCS:232-476-2

**DESCRIPTION / DESCRIPTION :**

Hercolyn D ester méthylique de colophane hydrogénée est un agent collant et plastifiant, résineux liquide légèrement ambré. Étant hydrogénée, il a marqué une résistance au vieillissement. Il reçoit un traitement spécial de purification à la vapeur pour assurer une odeur douce constante.

*Hercolyn D methyl ester of hydrogenated rosin is a light amber liquid resinous tackifier and plasticizer. Being hydrogenated, it has marked resistance to aging. It is given a special steam purification treatment to assure consistent mild odor.*

**CARACTERISTIQUES GARANTIES / GUARANTEED SPECIFICATIONS :**

CARACTERISTIQUES	SPECIFICATIONS	METHODES / METHODS
Apparence / Appearance	Essentiellement exempt de corps étrangers / Essentially free of foreign material (EFFM)	Visuel / Visual
Indice d'acide / Acid number	4 – 8	H18 -1
Couleur Gardner / Gardner color	≤ 6	H18 -4d

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

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

Indice de saponification / *Saponification number* : 155 mg KOH/g

Viscosité à 25 °C, Gardner-Holdt / *Viscosity at 25°C, Gardner-Holdt*: Z – Z4(H18 -5)

Indice de réfraction à 20°C / *Refractive index at 20°C* : 1.52

Densité à 25°C / *Density at 25°C* : 8.5 (1.02) lb/gal (kg/l)

Point éclair / *Flash point* : 388 (198) Setaflash CC, °F (°C)

Point d'ébullition, 760 mm mercure, °C / *Boiling point, 760 mm mercury, °C* : 360 – 364

Pression de vapeur à 20°C / *Vapour pressure at 20°C* : < 0.1 hPa

Solubilité négligeable dans l'eau / *Negligible solubility in water*

Ce produit est conforme aux normes de l'IFRA (International Fragrance Association), 48<sup>ème</sup> amendement du code de pratique de l'IFRA (publié en juin 2015). Il ne contient aucune substance interdite ou restreinte.

*This product is in compliance with the standards of the International fragrance association (IFRA), 48<sup>th</sup> amendment to the IFRA code of practice (published June 2015). It doesn't contain any prohibited or restricted substances.*

**APPLICATIONS:**

Support et fixateur dans les composés de parfum, composant dans la base de gomme à mâcher pour ajuster les caractéristiques de dureté, de plasticité et de mastication. Composant de résine dans les adhésifs, les encres, les carreaux de sol, les plastiques vinyliques, les compositions de caoutchouc et les applications associées / *Carrier and fixative in fragrance compounds, component in chewing gum base to adjust hardness, plasticity, and chew characteristics. Resin component in adhesives, inks, floor tiles, vinyls plastics, rubber compositions, and related applications*

**CONDITIONNEMENT STANDARD / STANDARD PACKAGING :**

Fût de 204 kg / 204 kg drum

	Dossier technique et réglementaire / <i>Technical and regulatory document</i> <b>HERCOLYN D (ESTER DE COLOPHANE HYDROGENEE)</b>	Novembre 2019 / November 2019
---	--	----------------------------------

<b>Additives</b>	This product doesn't contain ethanol and it is manufactured using methanol which is minimum 99.85 % pure and the other 0.15 % present can be water. The liquid hydrogen used in the process is 99.99 % pure and the product is produced using GMP and passes through one critical control point at the packaging line which assures the product is free of potential contamination
<b>Allergen</b>	The 26 fragrance allergens listed in Annex III of the cosmetics regulation 1223/2009 are not used and are not expected to be present in sufficient concentration to be detected in the manufactured product using an appropriate analytical technique. This product is not analyzed for the presence of these allergens
<b>Animal Testing</b>	This product is in compliance with article 18 of regulation (EC) No 1223/2009 and its successive modifications – no animal testing was carried out after the applicable deadlines and no animal testing will be carried out for cosmetics application purposes. However, as this product is not exclusively used in cosmetics, animal studies could be performed so as to provide the required information under other regulations than cosmetics (if no validated alternatives to animal testing exists)
<b>BSE - Bovine Spongiform Encephalopathy</b>	No risk of BSE
<b>California Prop 65</b>	This product (CAS: 8050-15-5) is not listed
<b>Carcinogenic, Mutagenic and Reprotoxic (CMR)</b>	This product doesn't contain any substances classified as CMR according to the criteria defined in regulation (EC) No. 1272/2008
<b>Composition</b>	100% resin acids and rosin acids, hydrogenated, methyl esters. This product is a UVCB substance
<b>Cosmetic</b>	None of the substances listed in the Cosmetics regulation annexes are expected to be present in this product. The raw materials used the manufacturing process of this product are not analyzed routinely, for the presence of the substances listed in regulation (EC) No. 1223/2009
<b>Cosmos / Ecocert</b>	<i>No data available</i>
<b>Danger</b>	This product is classified as dangerous in accordance with CLP but not with ADR
<b>Dioxane</b>	<i>No data available</i>
<b>Ecolabel</b>	<i>No data available</i>
<b>European Pharmacopeia</b>	<i>No data available</i>
<b>Food</b>	This product can be used as a food additive
<b>Genetically Modified Organisms (GMO)</b>	No GMO material is expected in this product
<b>Inventories</b>	Compliant with China IESCS, USA TSCA, New Zealand NZIoC, Taiwan TCSI, Korea KECL, Philippines PICCS, Australia AICS, Canada DSL
<b>Geographic origin (for plant)</b>	<i>No data available</i>
<b>Glycol ether</b>	<i>No data available</i>
<b>Halal</b>	This product meets the standard for Halal foods as defined by the Islamic Food and Nutrition Council of America (IFANCA)
<b>Heavy Metals</b>	This product is manufactured under cGMPs and is used as a food additive; therefore, it is regularly screened for residual heavy metals contaminants. This product based food additives consistently report well below the currently defined heavy metals limits established for his use in food
<b>HS code</b>	3806900090
<b>Irradiation / ionization</b>	<i>No data available</i>
<b>Kosher</b>	This product is Kosher certified
<b>Latex</b>	<i>No data available</i>

	Dossier technique et réglementaire / <i>Technical and regulatory document</i> <b>HERCOLYN D (ESTER DE COLOPHANE HYDROGENEE)</b>	Novembre 2019 / <i>November 2019</i>
---	--	--------------------------------------

<b>Manufacturing location</b>	Germany
<b>Microbiological data</b>	<i>No data available</i>
<b>Nanomaterials</b>	This product doesn't contain any nanomaterials and is not a nanomaterial itself according to the definition of nanomaterials given in regulation (EC) No 1223/2009 and regulation No 1169/2011 (food information to consumers)
<b>Nutritional data</b>	<i>No data available</i>
<b>Origin</b>	Vegetable (rosin extracted from pine trees) + hydrogen and methanol (derived from natural gas)
<b>Pesticide</b>	<i>No data available</i>
<b>Phthalate</b>	<i>No data available</i>
<b>Preservative</b>	<i>No data available</i>
<b>Process</b>	Liquid hydrogen + rosin → hydrogenation process → staybelite H → liquid resins (esterification) reaction (added methanol) → Hercolyn D
<b>REACH</b>	This product is registered 01-2119969275-26
<b>Residual Solvents</b>	The extreme pressures and temperatures at which product is catalytically hydrogenated exceed the solvents boiling points. During the esterification step, steam and volatiles generated by the reaction are pulled off using vacuum on the reactor. The top temperature for the esterification step exceeds 200°C. That is nearly 150°C above the boiling points of the solvents used for the extraction and purification of this product. Therefore, due to the residence time and temperatures involved there cannot be residual solvents in this product
<b>RSPO</b>	Palm oil and palm oil derivatives are not used in the manufacture of this product. The raw materials used for the manufacture of this product doesn't contain palm oil or palm oil derivatives – not concerned
<b>Shelf Life before re-check</b>	<i>No data available</i>
<b>Substances of Very High Concern (SVHC)</b>	Doesn't contain SVHC
<b>Volatiles organic compounds (VOC)</b>	<i>No data available</i>

----- END

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