

# Resve

## I- GENERAL INFORMATION

<b>Trade name:</b>	Resve
<b>INCI name:</b>	<b>Resveratrol</b>
<b>Function:</b>	antioxidant, skin protecting agent
<b>Supplier:</b>	Minasolve S.A.S 145, Chemin des Lilas 59310 Beuvry-la-Forêt France Tel. +33 3 20 64 3001

## II- REGULATORY INFORMATION

### 1- Regulatory status for cosmetic application

<b>EUROPE</b> (European Cosmetic Regulation (EC) No 1223/2009)	Approved
<b>U.S.A.</b> (FD&C Act— 21 CFR 700 to 740)	Approved
<b>CANADA</b> (Food and Drugs Act and Cosmetic Regulations)	Approved
<b>AUSTRALIA</b> (Notification & Assessment Act 1989, as amended—TGA)	Approved
<b>JAPAN</b> (Pharmaceutical Affairs Law - regulations for cosmetics)	Approved
<b>KOREA</b> (Cosmetics Law - Korea Food & Drug Administration KFDA)	Approved
<b>CHINA</b> (IECIC 2015)	Approved

### 2- Regulatory compliance

EU (REACH)	USA (TSCA)	CANADA (DSL/NDL)	AUSTRALIA (AICS)	CHINA (IECSC)	JAPAN (ENCS)	KOREA (KECI/ECL)	NEW ZEALAND (NZIoC)
Listed	Not listed	Not listed	Not listed	Listed	Not listed	Not listed	Listed

### 3- REACH requirements

	REACH Status	Registration N°
<b>Resveratrol</b> (5-[(E)-2-(4-hydroxyphenyl)ethenyl]benzene-1,3-diol)	exempted	current volume < 1 mt per year

**Presence of SVHC:** YES  NO

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## III- PRODUCT COMPOSITION

### 1- Composition (%)

Substance	%	INCI name	CAS n°	EC n°
1	100	Resveratrol	501-36-0	610-504-8

### 2- Impurities

	YES	NO
<b>Phthalates</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Glycol Ethers</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Residual Monomers</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Latex</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### 3- Allergens

CAS n°	Substances (INCI name)	YES	NO	%
122-40-7	Amyl cinnamal	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
100-51-6	Benzyl alcohol	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
104-54-1	Cinnamyl alcohol	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5392-40-5	Citral	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
97-53-0	Eugenol	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
107-75-5	Hydroxycitronellal	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
97-54-1	Isoeugenol	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
101-85-9	Amylcinnamyl alcohol	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
118-58-1	Benzyl salicylate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
104-55-2	Cinnamal	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
91-64-5	Coumarin	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
106-24-1	Geraniol	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
31906-04-4	Hydroxyisohexyl 3-cyclohexene carboxaldehyde	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
105-13-5	Anise alcohol	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
103-41-3	Benzyl cinnamate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
4602-84-0	Farnesol	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
80-54-6	Butylphenyl methylpropional	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
78-70-6	Linalool	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
120-51-4	Benzyl benzoate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
106-22-9	Citronellol	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
101-86-0	Hexyl cinnamal	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
5989-27-5	Limonene (d-alpha)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
111-12-6	Methyl 2-octynoate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
127-51-5	Alpha-isomethyl ionone	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
90028-68-5	Evernia Prunastri (Oakmoss)extract	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
90028-67-4	Evernia Furfuracea (Treemoss) extract	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

### 4- VOC

Presence of chemical ingredients which are classified as VOC: YES  NO

### 5- CMR

Substance classified as CMR: YES  NO

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## IV- ORIGIN

### 1- Vegetal

Plant's usual name: Japanese knotweed (*Polygonum cuspidatum* / *Fallopia japonica*)

Plant part used: roots

GMO presence: YES  NO

### 2- Synthetic

### 3- Biotechnology

Microorganisms used:

### 4- Animal

Absence of BSE/TSE:

### 5- Mineral

Process for obtaining it:

Nanomaterial:

### 6- Naturalness

Ingredient COSMOS approved YES  NO

Ingredient compliant with Natrue: YES  NO

Renewable carbon: 100 % of total carbon

Naturality Index (ISO 16128)	Natural index	Natural origin index	Organic index	Organic origin index
With/without water	1/1	1/1	0/0	0/0

## V- PHYSICO-CHEMICAL DATA

See TDS – Available upon request

## VI- MICROBIOLOGICAL DATA

Resve is regarded as anti-microbial agent. Furthermore, Resve is a water-free solid that is thermally treated at > 70 °C for several hours prior to packaging. The presence of living pathogenic germs inside the product can therefore be excluded.

## VII- USE AND STORAGE CONDITIONS

See MSDS, chapters 7 and 8 – Available upon request

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## VIII- TOXICOLOGICAL DATA

### 1- Toxicological data

TESTS	DATA
Acute Toxicity	<b>Oral LD<sub>50</sub></b> > 1000 mg/kg bw (various studies on rats, mice, dogs) (EFSA Journal 2016, vol. 14/1, 4368)
Skin penetration	<b>In vivo study on human skin</b> (confocal Raman microscopy): <b>Result:</b> Topically applied Resveratrol penetrates into human skin. <b>Depth of penetration:</b> min. 50 µm (Arch. Dermatol. Res. 2017, vol 309/6, pp 423-431)
Irritation eye/skin	No data available
Skin sensitization	No data available
Mutagenicity	<b>Ames test:</b> not mutagenic (Acta Pol. Pharm. 2003, vol. 60, pp 357-362)
Repeated dose toxicity	<b>OECD 408</b> (rat – oral, 90 days): <b>NOAEL</b> = 200 mg/kg bw/day (Food Chem. Toxicol. 2011, vol 49/12, pp 3319-3337)
Reproductive toxicity	<b>OECD 414</b> (prenatal development toxicity study, rat – oral): <b>NOAEL</b> = 1000 mg/kg bw/day (Drugs of the Future 2009, vol. 34/4, pp 291-295)
Phototoxicity	A photo mutagenicity study in <i>Salmonella Typhimurium</i> strains TA1537, TA98, TA100 and TA102 conducted with trans-resveratrol at doses up to 5000 µg/plate was negative. (EFSA Journal 2016, vol. 14/1, 4368)

### 2- Ecotoxicological data

TESTS	DATA
Log Pow	1.87 at 37°C (Biochem. J. 2003, vol. 374, pp 157-163)
Solubility in water	0.02 g/L at 20°C
Acute aquatic toxicity	<b>OECD 236</b> ( <i>Danio Reo</i> / Zebra Fish Embryo, 96 hours) <b>LC<sub>50</sub></b> = 75.3 mg/L (Ecotoxicol. Environ. Contam. 2017, vol. 12/1, pp 133-139)
Biodegradation	<b>OECD 301F:</b> Readily biodegradable (88% within 28 days),
Volatilisation from water	Removal from water bodies through volatilisation is not expected.
Mobility in soil	No data available

### 3- Animal testing

Animal testing performed/subcontracted by Minasolve on this material: YES  NO

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