

ANTI-UV VARNISH SPRAY - FDS427



## SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

### SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name : ANTI-UV VARNISH SPRAY

Product code : FDS427.

See list of references in appendix.

UFI : HPU0-F0X3-G000-QY93

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Paints & Varnishes for artists

#### 1.3. Details of the supplier of the safety data sheet

Registered company name : PEBEO SAS.

Address : CS 10106 .13881.GEMENOS CEDEX.FRANCE.

Telephone : 33 (0) 4.42.32.08.08. Fax : 33 (0) 4.42.32.01.70.

reglementation@pebeo.com

www.pebeo.com

#### 1.4. Emergency telephone number : +33 (0)1 45 42 59 59.

Association/Organisation : INRS / ORFILA <http://www.centres-antipoison.net>.

#### Other emergency numbers

United Kingdom : 0870 600 6266

United Kingdom : 0870 600 6266 Ireland : 01 809 25 66

### >SECTION 2 : HAZARDS IDENTIFICATION

#### 2.1. Classification of the substance or mixture

> **In compliance with EC regulation No. 1272/2008 and its amendments.**

Aerosol, Category 1 (Aerosol 1, H222 - H229).

Repeated exposure may cause skin dryness or cracking (EUH066).

Eye irritation, Category 2 (Eye Irrit. 2, H319).

May produce an allergic reaction (EUH208).

Specific target organ toxicity (single exposure), Category 3 (STOT SE 3, H336).

Hazardous to the aquatic environment - Chronic hazard, Category 3 (Aquatic Chronic 3, H412).

The propellant gas is not taken into account when determining the health and environmental classification of the mixture.

#### 2.2. Label elements

Mixture for aerosol application.

> **In compliance with EC regulation No. 1272/2008 and its amendments.**

Hazard pictograms :



GHS02



GHS07

Signal Word :

DANGER

Product identifiers :

607-025-00-1

N-BUTYL ACETATE

606-001-00-8

ACETONE

606-002-00-3

BUTANONE

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## Additional labeling :

EUH208	Contains BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL) SEBACATE. May produce an allergic reaction.
EUH208	Contains REACTION MASS OF ALPHA-3-(3-(2H-BENZOTRIAZOL-2-YL)-5-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONYL-OMEGA-HYDROXPOLY(OXYETHYLENE) AND ALPHA-3-(3-(2H-BENZOTRIAZOL-2-YL)-5-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONYL-OMEGA-3-(3-(2H-BENZOTRIAZOL-2-YL)-5-TERT-BUTYL-4-HYDROXYP. May produce an allergic reaction.
EUH208	Contains METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE. May produce an allergic reaction.

## Hazard statements :

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

## Precautionary statements - General :

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.

## Precautionary statements - Prevention :

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P260	Do not breathe spray.
P271	Use only outdoors or in a well-ventilated area.
Precautionary statements - Response :	
P337 + P313	If eye irritation persists: Get medical advice/attention.
Precautionary statements - Storage :	
P405	Store locked up.
P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
Precautionary statements - Disposal :	
P501	Dispose of contents/container in accordance with local/regional/national/international regulation.

**2.3. Other hazards**

The mixture does not contain substances classified as 'Substances of Very High Concern' (SVHC)  $\geq 0.1\%$  published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances  $\geq 0.1\%$  with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

**SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures****Composition :**

Identification	(EC) 1272/2008	Note	%
INDEX: 607-025-00-1 CAS: 123-86-4 EC: 204-658-1 N-BUTYL ACETATE	GHS02, GHS07 Wng Flam. Liq. 3, H226 STOT SE 3, H336 EUH:066	[1]	20 $\leq$ x % < 30
INDEX: 606-001-00-8 CAS: 67-64-1 EC: 200-662-2 ACETONE	GHS02, GHS07 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH:066	[1]	10 $\leq$ x % < 20

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INDEX: 606-002-00-3 CAS: 78-93-3 EC: 201-159-0  BUTANONE	GHS02, GHS07 Dgr Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH:066	[1]	5 <= x % < 10
CAS: 41556-26-7 EC: 255-437-1  BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL) SEBACATE	GHS09, GHS07 Wng Skin Sens. 1, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0.3 <= x % < 1
INDEX: 607-176-00-3 EC: 400-830-7  REACTION MASS OF ALPHA-3-(3-(2H-BENZOTRIAZOL-2-YL)-5-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONYL-OMEGA-HYDROXPOLY(OXYETHYLENE) AND ALPHA-3-(3-(2H-BENZOTRIAZOL-2-YL)-5-TERT-BUTYL-4-HYDROXYPHENYL)PROPIONYL-OMEGA-3-(3-(2H-BENZOTRIAZOL-2-YL)-5-TERT-BUTYL-4-HYDROXYP	GHS07, GHS09 Wng Skin Sens. 1, H317 Aquatic Chronic 2, H411		0.3 <= x % < 1
CAS: 82919-37-7 EC: 280-060-4  METHYL 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL SEBACATE	GHS09, GHS07 Wng Skin Sens. 1, H317 Aquatic Acute 1, H400 M Acute = 1 Aquatic Chronic 1, H410 M Chronic = 1		0.05 <= x % < 0.3

**Information on ingredients :**

(Full text of H-phrases: see section 16)

[1] Substance for which maximum workplace exposure limits are available.

**SECTION 4 : FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

**4.1. description of first aid measures****In the event of exposure by inhalation :**

In the event of massive inhalation, remove the person exposed to fresh air. Keep warm and at rest.

If the person is unconscious, place in recovery position. Notify a doctor in all events, to ascertain whether observation and supportive hospital care will be necessary.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

In the event of an allergic reaction, seek medical attention.

**In the event of splashes or contact with eyes :**

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

**In the event of splashes or contact with skin :**

Remove contaminated clothing and wash the skin thoroughly with soap and water or a recognised cleaner.

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

If the contaminated area is widespread and/or there is damage to the skin, a doctor must be consulted or the patient transferred to hospital.

**ANTI-UV VARNISH SPRAY - FDS427****In the event of swallowing :**

In the event of swallowing, if the quantity is small (no more than one mouthful), rinse the mouth with water and consult a doctor.

Keep the person exposed at rest. Do not force vomiting.

Seek medical attention, showing the label.

If swallowed accidentally, call a doctor to ascertain whether observation and hospital care will be necessary. Show the label.

**4.2. Most important symptoms and effects, both acute and delayed**

No data available.

**4.3. Indication of any immediate medical attention and special treatment needed**

No data available.

**SECTION 5 : FIREFIGHTING MEASURES**

Flammable.

Chemical powders, carbon dioxide and other extinguishing gas are suitable for small fires.

**5.1. Extinguishing media**

Keep packages near the fire cool, to prevent pressurised containers from bursting.

**Suitable methods of extinction**

In the event of a fire, use :

- sprayed water or water mist
- water with AFFF (Aqueous Film Forming Foam) additive
- foam
- multipurpose ABC powder
- BC powder
- carbon dioxide (CO<sub>2</sub>)

Prevent the effluent of fire-fighting measures from entering drains or waterways.

**Unsuitable methods of extinction**

In the event of a fire, do not use :

- water jet

**5.2. Special hazards arising from the substance or mixture**

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

**5.3. Advice for firefighters**

Fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

**SECTION 6 : ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Consult the safety measures listed under headings 7 and 8.

**For non first aid worker**

Because of the organic solvents contained in the mixture, eliminate sources of ignition and ventilate the area.

Avoid inhaling the vapors.

Avoid any contact with the skin and eyes.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

**For first aid worker**

First aid workers will be equipped with suitable personal protective equipment (See section 8).

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**6.2. Environmental precautions**

Contain and control the leaks or spills with non-combustible absorbent materials such as sand, earth, vermiculite, diatomaceous earth in drums for waste disposal.

Prevent any material from entering drains or waterways.

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Use drums to dispose of collected waste in compliance with current regulations (see section 13).

**6.3. Methods and material for containment and cleaning up**

Clean preferably with a detergent, do not use solvents.

**6.4. Reference to other sections**

No data available.

**SECTION 7 : HANDLING AND STORAGE**

Requirements relating to storage premises apply to all facilities where the mixture is handled.

**7.1. Precautions for safe handling**

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Ensure that there is adequate ventilation, especially in confined areas.

Remove contaminated clothing and protective equipment before entering eating areas.

**Fire prevention :**

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits.

Do not spray on a naked flame or any incandescent material.

Do not pierce or burn, even after use.

Use the mixture in premises free of naked flames or other sources of ignition and ensure that electrical equipment is suitably protected.

Keep packages tightly closed and away from sources of heat, sparks and naked flames.

Do not use tools which may produce sparks. Do not smoke.

Prevent access by unauthorised personnel.

**Recommended equipment and procedures :**

For personal protection, see section 8.

Observe precautions stated on label and also industrial safety regulations.

Do not breathe in aerosols.

Avoid inhaling vapors. Carry out any industrial operation which may give rise to this in a sealed apparatus.

Provide vapor extraction at the emission source and also general ventilation of the premises.

Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions.

In all cases, recover emissions at source.

Avoid skin and eye contact with this mixture.

Packages which have been opened must be reclosed carefully and stored in an upright position.

**Prohibited equipment and procedures :**

No smoking, eating or drinking in areas where the mixture is used.

Never open the packages under pressure.

**7.2. Conditions for safe storage, including any incompatibilities**

No data available.

**Storage**

Keep out of reach of children.

Keep the container tightly closed in a dry, well-ventilated place.

Keep away from all sources of ignition - do not smoke.

Keep well away from all sources of ignition, heat and direct sunlight.

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area.

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Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C.

**Packaging**

Always keep in packaging made of an identical material to the original.

**7.3. Specific end use(s)**

No data available.

**SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters****Occupational exposure limits :**

- European Union (2022/431, 2019/1831, 2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
123-86-4	241	50	723	150	
67-64-1	1210	500	-	-	-
78-93-3	600	200	900	300	-

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	150 ppm	200 ppm			
67-64-1	500 ppm	750 ppm		A4; BEI	
78-93-3	200 ppm	300 ppm		BEI	

- South Africa / DOL RL (Department of Labour, Recommended limits, 1995) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	150 ppm	200 ppm			
	710 mg/m3	950 mg/m3			
67-64-1	750 ppm	1500 ppm			
	1780 mg/m3	3560 mg/m3			
78-93-3	200 ppm	300 ppm			
	590 mg/m3	885 mg/m3			

- Germany - AGW (BAuA - TRGS 900, 02/2022) :

CAS	VME :	VME :	Excess	Notes
123-86-4		62 ppm		2 (I)
		300 mg/m <sup>3</sup>		
67-64-1		500 ppm		2(I)
		1200 mg/m <sup>3</sup>		
78-93-3		200 ppm		1(I)
		600 mg/m <sup>3</sup>		

- Australia (NOHSC: 3008, 1995) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	150 ppm	200 ppm		H	
	713 mg/m3	950 mg/m3			
67-64-1	500 ppm	1000 ppm		A	
	1185 mg/m3	2375 mg/m3			
78-93-3	150 ppm	300 ppm		A	
	445 mg/m3	890 mg/m3			

- Belgium (Royal decree of 11/05/2021) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	50 ppm	150 ppm			
	238 mg/m <sup>3</sup>	712 mg/m <sup>3</sup>			
67-64-1	246 ppm	492 ppm			
	594 mg/m <sup>3</sup>	1187 mg/m <sup>3</sup>			
78-93-3	200 ppm	300 ppm			
	600 mg/m <sup>3</sup>	900 mg/m <sup>3</sup>			

- Brazil :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-64-1	780 ppm	-	-	-	-

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78-93-3	155 ppm	-	-	-	-
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- Canada / Alberta (Occupational health and safety code, 2009) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	150 ppm 713 mg/m <sup>3</sup>	200 ppm 950 mg/m <sup>3</sup>			
67-64-1	500 ppm 1200 mg/m <sup>3</sup>	750 ppm 1800 mg/m <sup>3</sup>			
78-93-3	200 ppm 590 mg/m <sup>3</sup>	300 ppm 885 mg/m <sup>3</sup>			

- Canada / British Colombia (2009) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	20 ppm				
67-64-1	250 ppm	500 ppm			
78-93-3	50 ppm	100 ppm			

- Canada / Ontario (Control of exposure to biological or chemical agents, regulation 491/2009) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-64-1	500 ppm	750 ppm	-	-	-

- Canada / Quebec (Regulations on occupational health and safety) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	150 ppm 713 mg/m <sup>3</sup>	200 ppm 950 mg/m <sup>3</sup>			
67-64-1	500 ppm 1190 mg/m <sup>3</sup>	1000 ppm 2380 mg/m <sup>3</sup>			
78-93-3	50 ppm 150 mg/m <sup>3</sup>	100 ppm 300 mg/m <sup>3</sup>			

- China (GBZ 2.1, 2007) :

CAS	TWA :	STEL :	Anm :	TWA :	STEL :	Anm :
123-86-4	200 mg/m <sup>3</sup>	300 mg/m <sup>3</sup>				
67-64-1	300 mg/m <sup>3</sup>	450 mg/m <sup>3</sup>				
78-93-3	300 mg/m <sup>3</sup>	600 mg/m <sup>3</sup>				

- Denmark (2020) :

Stof	TWA	VSTEL	Loftvaerdi	Anm
123-86-4	150 ppm 710 mg/m <sup>3</sup>			
67-64-1	250 ppm 600 mg/m <sup>3</sup>			E
78-93-3	50 ppm 145 mg/m <sup>3</sup>			EH

- France (INRS - Outils 65 / 2021-1849, 2021-1763, decree of 09/12/2021) :

CAS	VME-ppm :	VME-mg/m <sup>3</sup> :	VLE-ppm :	VLE-mg/m <sup>3</sup> :	Notes :	TMP No :
123-86-4	50	241	150	723	-	84
67-64-1	500	1210	1000	2420	-	84
78-93-3	200	600	300	900	*	84

- Finland (HTP-värden 2018) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-64-1	500 ppm 1200 mg/m <sup>3</sup>	630 ppm 1500 mg/m <sup>3</sup>			
78-93-3		100 ppm 300 mg/m <sup>3</sup>			

- Spain (Instituto Nacional de Seguridad e Higiene en el Trabajo (INSHT), 2019) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	150 ppm 724 mg/m <sup>3</sup>	200 ppm 965 mg/m <sup>3</sup>			
67-64-1	500 ppm 1.21 mg/m <sup>3</sup>			VLB®. VLI	

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78-93-3	200 ppm 600 mg/m <sup>3</sup>	300 ppm 900 mg/m <sup>3</sup>		VLB®. VLI	
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- Hong-Kong (Code of practice on control of air impurities (Chemicals substances) in the workplace, 04/2002) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	150 ppm	200 ppm	-	-	-
67-64-1	500 ppm	750 ppm	-	-	-
78-93-3	200 ppm	300 ppm	-	-	-

- Ireland (Code of practice for the Chemical Agents Regulations, 2021) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	150 ppm 710 mg/m <sup>3</sup>	200 ppm 950 mg/m <sup>3</sup>			
67-64-1	500 ppm 1210 mg/m <sup>3</sup>				
78-93-3	200 ppm 600 mg/m <sup>3</sup>	300 ppm 900 mg/m <sup>3</sup>			

- Japan (JSOH, Recommendation of occupational exposure limits 2021-2022) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	100 ppm 475 mg/m <sup>3</sup>				
67-64-1	200 ppm 475 mg/m <sup>3</sup>				
78-93-3	200 ppm 590 mg/m <sup>3</sup>				

- Malaysia :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	150 ppm	-	-	-	-
67-64-1	500 ppm	-	-	-	-
78-93-3	200 ppm	-	-	-	-

- Mexico :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	150 ppm	200 ppm	-	-	-
67-64-1	1000 ppm	1260 ppm	-	-	-
78-93-3	200 ppm	300 ppm	-	-	-

- Norway (Veiledning om administrative normer for forurensning i arbeidsatmosfære, 2019) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	75 ppm	-	-	-	-
67-64-1	125 ppm 295 mg/m <sup>3</sup>			E	
78-93-3	75 ppm 220 mg/m <sup>3</sup>			E	

- New Zealand (Workplace Exposure standards, 11/2020, edition 12-1) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	150 ppm 713 mg/m <sup>3</sup>	200 ppm 950 mg/m <sup>3</sup>			
67-64-1	500 ppm 1185 mg/m <sup>3</sup>	1000 ppm 2375 mg/m <sup>3</sup>		bio	
78-93-3	150 ppm 445 mg/m <sup>3</sup>	300 ppm 890 mg/m <sup>3</sup>		bio	

- Netherlands / MAC-waarde (10 december 2014) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	100 ppm	-	-	-	-
67-64-1	1210 mg/m <sup>3</sup>	2420 mg/m <sup>3</sup>			
78-93-3	590 mg/m <sup>3</sup>	900 mg/m <sup>3</sup>		Huid	

- Poland (Dz. U. z 2018 r. poz. 917, 1000 i 1076) :



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CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	240 mg/m <sup>3</sup>	720 mg/m <sup>3</sup>			
67-64-1	600 mg/m <sup>3</sup>	1800 mg/m <sup>3</sup>			
78-93-3	450 mg/m <sup>3</sup>	900 mg/m <sup>3</sup>	-	-	-

- Czech Republic (Regulation No. 361/2007) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	950 mg/m <sup>3</sup>	1200 mg/m <sup>3</sup>			
67-64-1	800 mg/m <sup>3</sup>	1500 mg/m <sup>3</sup>		I	
78-93-3	600 mg/m <sup>3</sup>	900 mg/m <sup>3</sup>		I	

- Slovakia (Regulation 300/2007, 471/2011 23/11/2011) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	100 ppm 500 mg/m <sup>3</sup>	150 ppm 700 mg/m <sup>3</sup>			
67-64-1	500 ppm 1 210 mg/m <sup>3</sup>				
78-93-3	200 ppm 600 mg/m <sup>3</sup>	300 ppm 900 mg/m <sup>3</sup>			

- Switzerland (Suva 2021) :

CAS	VME	VLE	Valeur plafond	Notations
123-86-4	50 ppm 240 mg/m <sup>3</sup>	150 ppm 720 mg/m <sup>3</sup>		
67-64-1	500 ppm 1200 mg/m <sup>3</sup>	1000 ppm 2400 mg/m <sup>3</sup>		
78-93-3	200 ppm 590 mg/m <sup>3</sup>	200 ppm 590 mg/m <sup>3</sup>		

- Sweden (AFS 2018 :1) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
67-64-1	250 ppm 600 mg/m <sup>3</sup>	500 ppm 1200 mg/m <sup>3</sup>		V	
78-93-3	50 ppm 150 mg/m <sup>3</sup>	300 ppm 900 mg/m <sup>3</sup>			

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	150 ppm 724 mg/m <sup>3</sup>	200 ppm 966 mg/m <sup>3</sup>			
67-64-1	500 ppm 1210 mg/m <sup>3</sup>	1500 ppm 3620 mg/m <sup>3</sup>			
78-93-3	200 ppm 600 mg/m <sup>3</sup>	300 ppm 899 mg/m <sup>3</sup>		Sk. BMGV	

- USA / NIOSH REL (National Institute for Occupational Safety and Health, Recommended exposure limits) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	150 ppm	200 ppm	-	-	-
67-64-1	250 ppm	-	-	-	-
78-93-3	200 ppm	300 ppm	-	-	-

- USA / NIOSH IDLH (National Institute for Occupational Safety and Health, Immediately Dangerous to Life or Health Concentrations) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	150 ppm 710 mg/m <sup>3</sup>	200 ppm 950 mg/m <sup>3</sup>			
67-64-1	250 ppm 590 mg/m <sup>3</sup>				
78-93-3	200 ppm 590 mg/m <sup>3</sup>	300 ppm 885 mg/m <sup>3</sup>			

- USA / OSHA PEL (Occupational Safety and Health Administration, Permissible Exposure Limits) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
123-86-4	150 ppm 710 mg/m <sup>3</sup>				

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67-64-1	1000 ppm 2400 mg/m <sup>3</sup>				
78-93-3	200 ppm 590 mg/m <sup>3</sup>				

**8.2. Exposure controls****Personal protection measures, such as personal protective equipment**

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

**- Eye / face protection**

Avoid contact with eyes.

Use eye protectors designed to protect against liquid splashes

Before handling, wear safety goggles with protective sides accordance with standard EN166.

In the event of high danger, protect the face with a face shield.

Prescription glasses are not considered as protection.

Individuals wearing contact lenses should wear prescription glasses during work where they may be exposed to irritant vapours.

Provide eyewash stations in facilities where the product is handled constantly.

**- Hand protection**

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- PVA (Polyvinyl alcohol)

- Butyl Rubber (Isobutylene-isoprene copolymer)

**- Body protection**

Avoid skin contact.

Wear suitable protective clothing.

Suitable type of protective clothing :

In the event of substantial spatter, wear liquid-tight protective clothing against chemical risks (type 3) in accordance with EN14605/A1 to prevent skin contact.

In the event of a risk of splashing, wear protective clothing against chemical risks (type 6) in accordance with EN13034/A1 to prevent skin contact.

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

**- Respiratory protection**

Avoid inhaling vapors.

If the ventilation is insufficient, wear appropriate breathing apparatus.

When workers are confronted with concentrations that are above occupational exposure limits, they must wear a suitable, approved, respiratory protection device.

Type of FFP mask :

Wear a disposable half-mask aerosol filter in accordance with standard EN149/A1.

Category :

- FFP1

Anti-gas and vapour filter(s) (Combined filters) in accordance with standard EN14387 :

- A1 (Brown)

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Particle filter according to standard EN143 :  
- P1 (White)

**>SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES****9.1. Information on basic physical and chemical properties****Physical state**

Physical state : Fluid liquid.

**Colour**

Unspecified

**Odour**

Odour threshold : Not stated.

**Melting point**

Melting point/melting range : Not relevant.

**Freezing point**

Freezing point / Freezing range : Not stated.

**Boiling point or initial boiling point and boiling range**

Boiling point/boiling range : Not relevant.

**Flammability**

Flammability (solid, gas) : Not stated.

**Lower and upper explosion limit**

Explosive properties, lower explosivity limit (%) : Not stated.

Explosive properties, upper explosivity limit (%) : Not stated.

**Flash point**

Flash point interval : Not relevant.

Flash point: < - 60°C

**Auto-ignition temperature**

Self-ignition temperature : 365 °C.

**Decomposition temperature**

Decomposition point/decomposition range : Not relevant.

**pH**

pH (aqueous solution) : Not stated.

pH : Not relevant.

**Kinematic viscosity**

Viscosity : Not stated.

**Solubility**

Water solubility : Insoluble.

Fat solubility : Not stated.

**Partition coefficient n-octanol/water (log value)**

Partition coefficient: n-octanol/water : Not stated.

**Vapour pressure**

Vapour pressure (50°C) : Between 175 kPa and 300 kPa inclusive.

**Density and/or relative density**

Density : 0.74

**Relative vapour density**

Vapour density : Not stated.

**> 9.2. Other information**

VOC (g/l) : 637,73

**9.2.1. Information with regard to physical hazard classes**

No data available.

**Aerosols**

Chemical combustion heat : Not specified.

Inflammation time : Not specified.

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Deflagration density :	Not specified.
Inflammation distance :	Not specified.
Flame height :	Not specified.
Flame duration :	Not specified.

**9.2.2. Other safety characteristics**

No data available.

**SECTION 10 : STABILITY AND REACTIVITY****10.1. Reactivity**

No data available.

**10.2. Chemical stability**

This mixture is stable under the recommended handling and storage conditions in section 7.

**10.3. Possibility of hazardous reactions**

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

**10.4. Conditions to avoid**

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid :

- heating
- heat

**10.5. Incompatible materials**

No data available.

**10.6. Hazardous decomposition products**

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO<sub>2</sub>)

**SECTION 11 : TOXICOLOGICAL INFORMATION****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Exposure to vapours from solvents in the mixture in excess of the stated occupational exposure limit may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on kidney, liver and central nervous system.

Symptoms produced will include headaches, numbness, dizziness, fatigue, muscular asthenia and, in extreme cases, loss of consciousness.

Repeated or prolonged contact with the mixture may cause removal of natural oil from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

May have reversible effects on the eyes, such as eye irritation which is totally reversible by the end of observation at 21 days.

Splashes in the eyes may cause irritation and reversible damage

Narcotic effects may occur, such as drowsiness, narcosis, decreased alertness, loss of reflexes, lack of coordination or dizziness.

Effects may also occur in the form of violent headaches or nausea, judgement disorder, giddiness, irritability, fatigue or memory disturbance.

**11.1.1. Substances**

No toxicological data available for the substances.

**11.1.2. Mixture****Respiratory or skin sensitisation :**

Contains at least one sensitising substance. May cause an allergic reaction.

**11.2. Information on other hazards**

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**SECTION 12 : ECOLOGICAL INFORMATION**

Harmful to aquatic life with long lasting effects.

The product must not be allowed to run into drains or waterways.

**12.1. Toxicity****12.1.2. Mixtures**

No aquatic toxicity data available for the mixture.

**12.2. Persistence and degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Endocrine disrupting properties**

No data available.

**12.7. Other adverse effects**

No data available.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

**13.1. Waste treatment methods**

Do not pour into drains or waterways.

**Waste :**

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

**Soiled packaging :**

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

**Codes of wastes (Decision 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :**

15 01 04 metallic packaging

20 01 27 \* paint, inks, adhesives and resins containing dangerous substances

**>SECTION 14 : TRANSPORT INFORMATION**

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 [40-20] - ICAO/IATA 2022 [63]).

**14.1. UN number or ID number**

1950

**14.2. UN proper shipping name**

UN1950=AEROSOLS, flammable

**14.3. Transport hazard class(es)**

- Classification :



2.1

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**14.4. Packing group**

-

**14.5. Environmental hazards**

-

**14.6. Special precautions for user**

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	2	5F	-	2.1	-	1 L	190 327 344 625	E0	2	D

IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation
	2	See SP63	-	See SP277	F-D, S-U	63 190 277 327 344 381 959	E0	- SW1 SW22	SG69

IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ
	2.1	-	-	Forbidden	Forbidden	203	150 kg	A1 A145 A167 A802	E0
	2.1	-	-	Forbidden	Forbidden	-	-	A1 A145 A167 A802	E0

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

**14.7. Maritime transport in bulk according to IMO instruments**

No data available.

**>SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****> - Classification and labelling information included in section 2:**

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2022/692 (ATP 18)

**> - Container information:**

The mixture does not contain any substance restricted under Annex XVII of Regulation (EC) No. 1907/2006 (REACH):  
<https://echa.europa.eu/substances-restricted-under-reach>.

**- Particular provisions :**

No data available.

**15.2. Chemical safety assessment**

No data available.

**SECTION 16 : OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

**Wording of the phrases mentioned in section 3 :**

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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H411 Toxic to aquatic life with long lasting effects.  
EUH066 Repeated exposure may cause skin dryness or cracking.

**Abbreviations :**

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

UFI : Unique formulation identifier.

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

GHS02 : Flame

GHS07 : Exclamation mark

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.

|> Modification compared to the previous version

Références	Désignation Référence
417601	VERNIS ANTI-UV 200ML