Printing date 01/25/2023 Reviewed on 01/25/2023

## 1 Identification

- · Product identifier
- · Trade name: OPI Nail Envy Original Nail Strengthener
- · Article number: 314002000621, ENG091282
- · Application of the substance / the mixture Nail Polish
- · Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Wella International Operations Switzerland Sarl, Chemin Louis-Hubert 1-3, 1213 Petit-Lancy, Switzerland

- · Information department: Wella SDS Info Team
- · Emergency telephone number:

CHEMTREC Emergency number: +1-704-741-5970

CHEMTREC: +1 703-741-5970

## 2 Hazard(s) identification

· Classification of the substance or mixture



GHS02 Flame

Flammable Liquids 2

H225 Highly flammable liquid and vapor.



GHS08 Health hazard

Specific Target Organ Toxicity - Single Exposure 2 H371 May cause damage to organs.

Aspiration Hazard 1 H304 May be fatal if swallowed and enters airways.



GHS07

Skin Irritation 2

H315 Causes skin irritation.

Eye Irritation 2A

H319 Causes serious eye irritation.

Specific Target Organ Toxicity - Single Exposure 3 H336 May cause drowsiness or dizziness.

- · Label elements
- · GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
- · Hazard pictograms







GHS02

GHS07

GHS08

- · Signal word Danger
- · Hazard-determining components of labeling:

heptane

ethyl acetate

Camphor

Butyl acetate

· Hazard statements

Highly flammable liquid and vapor.

Causes skin irritation.

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Causes serious eye irritation.

May cause damage to organs.

May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

#### · Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

*Use explosion-proof electrical/ventilating/lighting/equipment.* 

*Use only non-sparking tools.* 

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Immediately call a poison center/doctor.

Specific treatment (see on this label).

Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Call a poison center/doctor.

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

In case of fire: Use CO2, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- · Other hazards
- · Results of PBT and vPvB assessment
- · **PBT**: Not applicable.
- · vPvB: Not applicable.

## 3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description: Mixture of the substances listed below with nonhazardous additions.

· Dangerous	· Dangerous components:		
64-17-5	ethyl alcohol	>10-≤25%	
141-78-6	ethyl acetate	≥20-≤25%	
	Butyl acetate	>10-<20%	
142-82-5	*	10%	
9004-70-0	Nitrocellulose	>2.5-≤10%	
	isopropyl alcohol	>2.5-<10%	
	Polyvinyl Butyral	≤2.5%	
	triphenyl phosphate	≤2.5%	
76-22-2	Camphor	≤2.5%	

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## 4 First-aid measures

- · Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation: In case of unconsciousness place patient stably in side position for transportation.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eve contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- · After swallowing: If symptoms persist consult doctor.
- · Information for doctor:
- · Most important symptoms and effects, both acute and delayed No further relevant information available.
- · Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## 5 Fire-fighting measures

- · Extinguishing media
- · Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- · Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

- · Advice for firefighters
- · Protective equipment: Mouth respiratory protective device.

## 6 Accidental release measures

· Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

- · Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· Reference to other sections

*See Section 7 for information on safe handling.* 

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

· Protective Action Criteria for Chemicals

· PAC-1:		
	ethyl alcohol	1,800 ppm
141-78-6	ethyl acetate	1,200 ppm
123-86-4	Butyl acetate	5 ppm
142-82-5	heptane	500 ppm
67-63-0	isopropyl alcohol	400 ppm
115-86-6	triphenyl phosphate	9 mg/m³
· PAC-2:		

· <i>PAC-2</i>	?
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64-17-5 ethyl alcohol 3300\* ppm

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		(Contd. of page 3
141-78-6	ethyl acetate	1,700 ppm
123-86-4	Butyl acetate	200 ppm
142-82-5	heptane	830 ppm
67-63-0	-63-0 isopropyl alcohol	
115-86-6	-86-6 triphenyl phosphate	
· PAC-3:		
64-17-5	ethyl alcohol	15000* ppm
141-78-6	ethyl acetate	10000** ppm
123-86-4	Butyl acetate	3000* ppm
142-82-5	heptane	5000* ppm
67-63-0	isopropyl alcohol	12000** ppm
115-86-6	triphenyl phosphate	$2,100 \text{ mg/m}^3$

## 7 Handling and storage

- · Handling:
- · Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Keep respiratory protective device available.

- · Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: Store in a cool location.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Keep receptacle tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

- · Storage class: 3
- · Specific end use(s) No further relevant information available.

## 8 Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Control parameters
- · Components with limit values that require monitoring at the workplace:

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

T T T T T T T T T T T T T T T T T T T	l
PEL Long-term value	e: 1900 mg/m³, 1000 ppm
REL Long-term value	e: 1900 mg/m³, 1000 ppm
TLV Short-term valu A3	e: 1000 ppm

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1/11	78-6 ethyl acetate (Contd. of page 178-6)
	Long-term value: 1400 mg/m³, 400 ppm
	Long-term value: 1400 mg/m <sup>3</sup> , 400 ppm
	Long-term value: 1400 mg/m , 400 ppm Long-term value: 400 ppm
	86-4 Butyl acetate
	Long-term value: 710 mg/m³, 150 ppm
	Short-term value: 950 mg/m <sup>3</sup> , 200 ppm
KEL	Long-term value: 710 mg/m³, 150 ppm
TLV	Short-term value: 150 ppm
	Long-term value: 50 ppm
142-8	82-5 heptane
PEL	Long-term value: 2000 mg/m³, 500 ppm
REL	Long-term value: 350 mg/m³, 85 ppm
	Ceiling limit value: 1800* mg/m³, 440* ppm
	*15-min
TLV	Short-term value: 500 ppm Long-term value: 400 ppm
67.6	3-0 isopropyl alcohol
	Long-term value: 980 mg/m³, 400 ppm
	Short-term value: 1225 mg/m³, 500 ppm
KLL	Long-term value: 1223 mg/m², 300 ppm Long-term value: 980 mg/m³, 400 ppm
TIV	Short-term value: 400 ppm
12,	Long-term value: 200 ppm
	BEI, A4
115-8	86-6 triphenyl phosphate
PEL	Long-term value: 3 mg/m³
REL	Long-term value: 3 mg/m³
TLV	Long-term value: 3 mg/m³
	A4, BEI-C
	2-2 Camphor
	Long-term value: 2 mg/m³
	Long-term value: 2 mg/m³
TLV	Short-term value: 3 ppm
	Long-term value: 2 ppm A4
Inon	
	edients with biological limit values: 3-0 isopropyl alcohol
	40 mg/L
	40 mg/L Medium: urine
	Time: end of shift at end of workweek
	Parameter: Acetone (background, nonspecific)

- · Exposure controls

Personal protective equipment:
General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

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Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

## · Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:



## Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### · Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### · Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

· Body protection: Protective work clothing

## 9 Physical and chemical properties

· Information on basi	c pnysicai ana cnemica	i properties

· General Information

· Appearance:

Form: Fluid

Color: According to product specification

Odor: CharacteristicOdor threshold: Not determined.

· pH-value: Not determined.

· Change in condition

Melting point/Melting range:Undetermined.Boiling point/Boiling range: $78 \,^{\circ}C \, (172.4 \,^{\circ}F)$ lash point: $-1 \,^{\circ}C \, (30.2 \,^{\circ}F)$ 

Flash point: -1 °C (30.2 °F)
 Flammability (solid, gaseous): Highly flammable.

· Ignition temperature: 215 °C (419 °F)

 $\cdot \textbf{\textit{Decomposition temperature:}} \qquad \qquad \textit{Not determined.}$ 

· Auto igniting: Product is not selfigniting.

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	(Contd. of page
· Danger of explosion:	Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
· Explosion limits:	
Lower:	1.1 Vol %
Upper:	15 Vol %
· Vapor pressure at 20 °C (68 °F):	97 hPa (72.8 mm Hg)
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/wate	e <b>r</b> ): Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	79.3 %
VOC content:	79.30 %
	793.0 g/l / 6.62 lb/gal
Solids content:	12.3 %
· Other information	No further relevant information available.

## 10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

## 11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

· LD/LC50 values that are relevant for classification:		
64-17-5 ethyl alcohol		
Oral	LD50	10,470 mg/kg (rat) (bw (OECD 401))
Inhalative	LC50/4 h	116.9 mg/l (rat) (air (//OECD 403))
141-78-6 ethyl acetate		e e
Oral	LD50	5,620 mg/kg (rabbit)
Inhalative	LC50/4 h	1,600 mg/l (rat)
		(Contd. on page 8

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	(Contd. of page	
123-86-4 Butyl acetate		
LD50	13,100 mg/kg (rat)	
LD50	>5,000 mg/kg (rabbit)	
LC50/4 h	>21 mg/l (rat)	
eptane		
LD50	>5,000 mg/kg (rat)	
67-63-0 isopropyl alcohol		
LD50	5,840 mg/kg (rat) (bw (//OECD 401))	
LD50	12,956 mg/kg (rabbit) (bw (//OECD 402))	
LC50/4 h	>24.578 mg/l (rat) (air (//OECD 403))	
115-86-6 triphenyl phosphate		
LD50	3,500 mg/kg (rat)	
76-22-2 Camphor		
LD50	1,500 mg/kg (rat)	
	LD50 LD50 LC50/4 h reptane LD50 ppropyl alc LD50 LD50 LC50/4 h riphenyl pi LD50	

- · Primary irritant effect:
- · on the skin: Irritant to skin and mucous membranes.
- · on the eye: Irritating effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)		
64-17-5 ethyl alcohol	1	
67-63-0 isopropyl alcohol	3	
· NTP (National Toxicology Program)		
None of the ingredients is listed.		
· OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

## 12 Ecological information

- · Toxicity
- · Aquatic toxicity: No further relevant information available.
- · Persistence and degradability No further relevant information available.
- · Behavior in environmental systems:
- · Bioaccumulative potential No further relevant information available.
- · Mobility in soil No further relevant information available.
- · Additional ecological information:
- · General notes:

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

- · Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · vPvB: Not applicable.

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· Other adverse effects No further relevant information available.

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## 13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.

4 Transport information	
· UN-Number · DOT, IMDG, IATA	UN1263
· UN proper shipping name · DOT · IMDG, IATA	Paint PAINT
· Transport hazard class(es)	
$\cdot DOT$	
RAMMALE (ODE)	
· Class	3 Flammable liquids
· Label	3
· IMDG, IATA	
· Class	3 Flammable liquids
· Label	3
· Packing group · DOT, IMDG, IATA	II
· Environmental hazards:	Product contains environmentally hazardous substances: heptane
<ul> <li>Special precautions for user</li> <li>Hazard identification number (Kemler code).</li> <li>EMS Number:</li> <li>Stowage Category</li> </ul>	Warning: Flammable liquids • 33 F-E, <u>S-E</u> B
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

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	(Contd. of page
· Transport/Additional information:	
· DOT	
· Quantity limitations	On passenger aircraft/rail: 5 L
~ .	On cargo aircraft only: 60 L
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per outer packaging: 500 ml
· UN "Model Regulation":	UN 1263 PAINT, 3, II, ENVIRONMENTALLY HAZARDOUS

## 15 Regulatory information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture No further relevant information available.
- · Sara

· Section 355	(extremely	hazardous su	bstances):
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None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

67-63-0 isopropyl alcohol

· TSCA (Toxic Substances Control Act):		
64-17-5	ethyl alcohol	ACTIVE
141-78-6	ethyl acetate	ACTIVE
123-86-4	Butyl acetate	ACTIVE
142-82-5	heptane	ACTIVE
9004-70-0	Nitrocellulose	ACTIVE
67-63-0	isopropyl alcohol	ACTIVE
63148-65-2	Polyvinyl Butyral	ACTIVE
115-86-6	triphenyl phosphate	ACTIVE
6846-50-0	TRIMETHYL PENTANYL DIISOBUTYRATE	ACTIVE
76-22-2	Camphor	ACTIVE
131-56-6	Benzophenone-1	ACTIVE
25035-69-2	Acrylates Copolymer	ACTIVE
137-08-6	Calcium Pantothenate	ACTIVE
81-48-1	Violet 2	ACTIVE
70084-87-6	Hydrolyzed Wheat Protein	ACTIVE

## · Hazardous Air Pollutants

None of the ingredients is listed.

- · Proposition 65
- · Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

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Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

64-17-5 ethyl alcohol

#### · Carcinogenic categories

· EPA (En	rironmental Protection Agency)		
142-82-5	heptane	D	
· TLV (Thr	eshold Limit Value)		
	ethyl alcohol	A3	
1	isopropyl alcohol	A4	
115-86-6	triphenyl phosphate	A4	
76-22-2	Camphor	A4	
· NIOSH-C	· NIOSH-Ca (National Institute for Occupational Safety and Health)		

- None of the ingredients is listed.

   GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
- · Hazard pictograms







GHS02

GHS07

GHS0

- · Signal word Danger
- · Hazard-determining components of labeling:

heptane

ethyl acetate

Camphor

Butyl acetate

#### · Hazard statements

Highly flammable liquid and vapor.

Causes skin irritation.

Causes serious eye irritation.

May cause damage to organs.

May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

#### · Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Keep container tightly closed.

Ground/bond container and receiving equipment.

Use explosion-proof electrical/ventilating/lighting/equipment.

Use only non-sparking tools.

Take precautionary measures against static discharge.

Do not breathe dust/fume/gas/mist/vapors/spray.

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

If swallowed: Immediately call a poison center/doctor.

Specific treatment (see on this label).

Do NOT induce vomiting.

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If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF exposed or concerned: Call a poison center/doctor.

Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.

If eye irritation persists: Get medical advice/attention.

In case of fire: Use CO2, powder or water spray to extinguish.

Store in a well-ventilated place. Keep cool.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- · Department issuing SDS: Abteilung Umweltschutz
- · Contact: Hr. Dr. Speckbacher
- · Date of preparation / last revision 01/25/2023
- · Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

 $Flammable\ Liquids\ 2:\ Flammable\ liquids\ -\ Category\ 2$ 

 ${\it Skin \ Irritation \ 2: Skin \ corrosion/irritation - Category \ 2}$ 

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

Specific Target Organ Toxicity - Single Exposure 2: Specific target organ toxicity (single exposure) - Category 2

Aspiration Hazard 1: Aspiration hazard - Category 1

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