

Safety Data Sheet according to Regulation (EC) No 1907/2006

European Nail Factory

Revision date : 01.06.2007

Revision no. : 1,00

UV- & HEAT DRY NAIL POLISH COAT

00642-0041

1. Identification of the substance/preparation and of the company/undertaking**Identification of the substance or preparation**

UV- & HEAT DRY NAIL POLISH COAT

Art.-No.:

10-Z684000

Use of the substance/preparation

Cosmetic

Company/undertaking identification

European Nail Factory

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2. Hazards identification**Classification**

Indications of danger : Highly flammable, Irritant

R-phrases :

Highly flammable.

Irritating to eyes.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

3. Composition/information on ingredients**Chemical characterization** (preparation)

Preparation in organic solvents

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
205-500-4	141-78-6	ethyl acetate	< 55 %	F, Xi R11-36-66-67
204-658-1	123-86-4	n-butyl acetate	< 30 %	R10-66-67
	9004-70-0	Nitrocellulose	< 10 %	F, Xi R11-36/37/38
200-661-7	67-63-0	Propan-2-ol	< 5 %	F, Xi R11-36-67
221-950-4	3290-92-4	Propylidynetrimethyl trimethacrylate	< 1 %	N R51-53
204-337-6	119-61-9	Benzophenone	< 1 %	N R50-53

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures

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General information

Remove contaminated soaked clothing immediately.

If you feel unwell, seek medical advice.

After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

Refer for medical treatment.

If patient is not breathing, apply artificial respiration.

After contact with skin

Wash off with soap and plenty of water.

Do not use solvents or thinners.

Consult a doctor if skin irritation persists.

After contact with eyes

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Seek medical treatment by eye specialist.

After ingestion

Do not induce vomiting.

Immediately give plenty of water (if possible charcoal slurry).

Summon a doctor immediately.

Induce vomiting only upon the advice of a physician.

Advice to doctor

Attention. Beware, danger of aspiration.

Risk of pulmonary oedema.

5. Fire-fighting measures

Suitable extinguishing media

Alcohol-resistant foam, dry chemical, carbon dioxide (CO₂), water-spray.

Extinguishing media which must not be used for safety reasons

Full water jet

Special exposure hazards arriving from substance or preparation itself, combustion products, resulting gases

Fire may produce:

Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x).

Special protective equipment for fire-fighters

Use breathing apparatus with independent air supply.

Protective suit

Additional information

Backfire at a long distance is possible.

Vapours are heavier than air and spread along ground.

The vapour/air mixture is explosive, even in empty, uncleaned receptacles.

Cool containers at risk with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures

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Personal precautions

In case of vapour formation use respirator.

Do not smoke.

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

Do not discharge into the subsoil/soil.

Methods for cleaning up/taking up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Take up mechanically and collect in suitable container for disposal.

Additional information

Clean contaminated surface thoroughly.

7. Handling and storage

Handling

Advice on safe handling

Keep container tightly closed.

Do not breathe vapours.

Use only in thoroughly ventilated areas.

Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

Keep away from heat and sources of ignition.

Do not smoke.

Take measures against electrostatically charging.

Use only explosion-proof equipment.

Storage

Requirements for storage rooms and vessels

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

Pay attention to anti-explosion rules.

Protect against direct sun radiation.

Keep at temperatures between 5°C and 40°C.

Advice on storage compatibility

Incompatible with:

Oxidizing agents, Acids and bases.

Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

Storageclass (VCI)

3 A

8. Exposure controls/personal protection

Exposure limit values

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Exposure limits (EH40)

CAS No.	Substance	ml/m ³	mg/m ³	F/ml	Category	Origin
123-86-4	Butyl acetate	150	724		TWA (8 h)	WEL
	Butyl acetate	200	966		STEL (15 min)	WEL
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
	Ethyl acetate	400	-		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
	Propan-2-ol	500	1250		STEL (15 min)	WEL

Exposure controls

Occupational exposure controls

Ensure adequate ventilation, especially in confined areas.

Protective and hygiene measures

Do not inhale vapours.

Avoid contact with eyes and skin.

Wash hands before breaks and immediately after handling the product.

When using, do not eat, drink or smoke.

Take off immediately all contaminated clothing.

Respiratory protection

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A).

Hand protection

Protective gloves resistant to chemicals made off butyl, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 120 minutes, i.e. protective glove <Butoject 898> made by www.kcl.de. This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection

Eye wash bottle with pure water.

Tightly fitting goggles

Skin protection

Long sleeved clothing.

9. Physical and chemical properties

General information

Physical state	Liquid
Colour	Colourless, clear
Odour	Characteristic

Important health, safety and environmental information

	Test method
Changes in the physical state	
Boiling point	77 °C (*)
Flash point	< 21 °C
Flammability	
Lower explosion limits	n. d.
Upper explosion limits	
Ignition temperature	n. d.

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Vapour pressure :	93 hPa	*)
at (20 °C)		
Density (at 20 °C) :	< 1 g/cm ³	
Water solubility :	Immiscible	
at (20 °C)		

Solvent content

< 100 %

*) ethyl acetate

10. Stability and reactivity

Conditions to avoid

Vapour/air mixtures are explosive at intensive warming.

Heating can release vapours which can be ignited.

Materials to avoid

Oxidizing agents., Acids and bases

Hazardous decomposition products

Carbon monoxide (CO), carbon dioxide (CO₂) and nitrogen oxides (NO_x)

Additional information

No decomposition if stored and applied as directed.

11. Toxicological information

Empirical data on effects on humans

Irritating to eyes.

Vapours may cause drowsiness and dizziness.

Repeated exposure may cause skin dryness or cracking.

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea.

Concentration above the admissible concentration at the workplace may cause dizziness, headache and inebriation.

Attention. Beware, danger of aspiration.

Hazard of lung oedema.

12. Ecological information

Further information

Do not flush into surface water or sanitary sewer system.

Slightly water hazardous.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. Disposal considerations

Advice on disposal

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

Waste disposal number of waste from residues/unused products

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070604 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; other organic solvents, washing liquids and mother liquors
Classified as hazardous waste.

Contaminated packaging

Empty containers should be taken for local recycling, recovery or waste disposal.

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

Packaging that cannot be cleaned should be disposed of like the product.

14. Transport information**Land transport (ADR/RID)**

ADR/RID class	3
Classification code :	F1
Hazard-no.	33
UN number	1266
Hazard label	3
ADR/RID packing group	II
Limited quantity :	LQ 6

Description of the goods

Perfumery products

Remarks (land transport)

LQ 6: combination packaging: 5 l / 30 kg (total gross mass); trays: 1 l / 20 kg (total gross mass).

Inland waterways transport**Marine transport**

IMDG code	3
UN number	1266
Marine pollutant	No
EmS	F-E, S-D
Limited quantity :	5 L / 30 kg
IMDG packing group	II
Hazard label	3

Description of the goods

PERFUMERY PRODUCTS

Remarks (marine transport)

Limited quantities (section 3.4): combination packaging: 5 l / 30 kg (total gross mass); trays: 5 l / 20 kg (total gross mass).

Air transport

ICAO/IATA-DGR	3
UN/ID number	1266
Hazard label	3
IATA-packing instructions - Passenger	305
IATA-max. quantity - Passenger	5 L
IATA-packing instructions - Cargo	307
IATA-max. quantity - Cargo	60 L
ICAO packing group	II
Limited quantity Passenger	Y305 / 1 L

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Description of the goods

PERFUMERY PRODUCTS

15. Regulatory information

Labelling

Indication of danger

F - Highly flammable; Xi - Irritant

Additional advice

According to the EC hazardous substance regulations in compliance with the EC cosmetic product regulations this product must not be labelled as a hazardous substance.

According to ruling EC Directives the product must be labelled as hazardous substance as follows:

R phrases

- 11 Highly flammable.
- 36 Irritating to eyes.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S phrases

- 09 Keep container in a well-ventilated place.
- 16 Keep away from sources of ignition - No smoking.
- 23 Do not breathe vapour .
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 35 This material and its container must be disposed of in a safe way.
- 61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

National regulatory information

Employment restrictions

Observe employment restrictions for young people.; Observe employment restrictions for child bearing mothers and nursing.

Water contaminating class

1 - slightly water contaminating

1999/13/EC (VOC)

< 80 %

16. Other information

Full text of R-phrases referred to under sections 2 and 3

- 10 Flammable.
- 11 Highly flammable.
- 36 Irritating to eyes.
- 50 Very toxic to aquatic organisms.
- 51 Toxic to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.
- 36/37/38 Irritating to eyes, respiratory system and skin.
- 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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Other data

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

"(n.a. = not applicable; n.d. = not determined)"

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)