

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

Super Hardener

Print date: 07.11.2011

Product code: 43273

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product identifier**

Super Hardener

Product group: Zulieferprodukt

Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Cosmetic product

Details of the supplier of the safety data sheet

Company name:	Wilde Cosmetics GmbH	
Street:	Rheingastr. 19a	
Place:	D-65375 Oestrich-Winkel	
Post-office box:	1220	
	D-65368 Oestrich-Winkel	
Telephone:	+49-6723-6020-0	Telefax: +49-6723-6020-15
e-mail:	beate.kerntopf@wilde-group.com	
Contact person:	Dr. Beate Kerntopf	Telephone: -752

Emergency telephone: Tel: +49-30-19240 Poison Information Centre telephone number**SECTION 2: Hazards identification****Classification of the substance or mixture**

Highly flammable. Irritating to eyes, respiratory system and skin.

Label elements**Additional advice on labelling**

EG Directive 76/768/EEC (cosmetic regulation)
The preparation does not fall under Directive 1999/45/EC.

Other hazards

Irritating to eyes, respiratory system and skin.
May cause sensitization by skin contact.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.
When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday.
Keep out of the reach of children.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood.

SECTION 3: Composition/information on ingredients**Mixtures**

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Chemical characterization

Chemical Name / INCI:
 Ethyl Acetate (ethyl acetate)
 Butyl Acetate (n-butyl acetate)
 Nitrocellulose (cellulose nitrate; nitrocellulose)
 Adipic Acid / Neopentyl Glycol / Trimellitic Anhydride Copolymer
 Acetyl Tributyl Citrate
 Isopropyl Alcohol (propan-2-ol; isopropyl alcohol; isopropanol)
 Benzophenone-3
 Trimethylpentanediyl Dibenzoate
 Polyvinyl Butyral
 CI 26100 (Red 17)
 CI 47000 (Yellow 11)

Hazardous components

EC No.	Chemical name	Quantity
CAS No.	Classification	
Index No.	GHS classification	
REACH No.		
205-500-4	ethyl acetate	25 - 50 %
141-78-6	F, Xi R11-36-66-67	
607-022-00-5	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	
204-658-1	n-butyl acetate	25 - 50 %
123-86-4	R10-66-67	
607-025-00-1	Flam. Liq. 3, STOT SE 3; H226 H336	
-	cellulose nitrate; nitrocellulose	10 - 25 %
-	E R3	
603-037-00-6	Expl. 1.1; H201	
200-661-7	propan-2-ol; isopropyl alcohol; isopropanol	5 - 10 %
67-63-0	F, Xi R11-36-67	
603-117-00-0	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336	

Full text of R- and H-phrases: see section 16.

Further Information

Is/are applicable: EG Directive 76/768/EEC (cosmetic regulation)
 The preparation does not fall under Directive 1999/45/EC.

SECTION 4: First aid measures

Description of first aid measures

General information

Move out of dangerous area. Take off all contaminated clothing immediately. Show this safety data sheet to the doctor in attendance.

After inhalation

Move to fresh air. Consult a physician.

After contact with skin

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

After contact with eyes

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

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After ingestion

Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting.
Consult a physician.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Extinguishing media which must not be used for safety reasons

High volume water jet

Special hazards arising from the substance or mixture

Hazardous combustion products: Carbon oxides, nitrogen oxides (NOx). Oxidizing and spontaneously flammable products.
Harmful by inhalation.
In the event of fire and/or explosion do not breathe fumes.
Explosive properties.

Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.
Protective suit.

Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin and eyes. Protective suit
Evacuate personnel to safe areas.

Environmental precautions

Do not flush into surface water or sanitary sewer system.
Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

Methods and material for containment and cleaning up

adsorption in inert material (e.g. sand, kieselguhr, acid binder, universal binder, sawdust). Dispose of as special waste in compliance with local and national regulations.
Ensure adequate ventilation.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Take notice of labels and material safety data sheets for the working chemicals.
Handle in accordance with good industrial hygiene and safety practice.
Ensure adequate ventilation.

Advice on protection against fire and explosion

Keep away from heat and sources of ignition. Do not smoke.
Take measures to prevent the build up of electrostatic charge.
Use only explosion-proof equipment. Vapours may form explosive mixtures with air.

Further information on handling

Refer also to instructions for use.

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Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight.

Storage must be in accordance with the BetrSichV (Germany).

Further information on storage conditions

Keep away from direct sunlight. Keep in a dry place. Store in a cool and shaded area.

SECTION 8: Exposure controls/personal protection

Control parameters

Exposure limits (EH40)

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

Additional advice on limit values

No data is available on the product itself.

Exposure controls

Occupational exposure controls

Handle in accordance with good industrial hygiene and safety practice. To avoid risks to man and the environment, comply with the instructions for use.

Protective and hygiene measures

Ensure adequate ventilation, especially in confined areas. Avoid breathing vapors, mist or gas.

When using, do not eat, drink or smoke. Wash hands before breaks and at the end of workday.

Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection

Preventive skin protection: Solvent-resistant gloves (butyl-rubber).

Use protective skin cream before handling the product.

Eye protection

Safety glasses with side-shields

Skin protection

Protective suit.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Physical state: liquid
 Colour: clear
 Odour: ester-like

Test method

pH-Value: not applicable

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Changes in the physical state

Boiling point:	77 °C (1013 hPa)
Flash point:	-4 °C
Lower explosion limits:	1,2 vol. %
Upper explosion limits:	12,5 vol. %
Ignition temperature:	218 °C
Vapour pressure: (at 27 °C)	100 hPa (ethyl acetate)
Vapour pressure: (at 50 °C)	375 hPa
Density (at 20 °C):	0,95 g/cm ³
Water solubility:	insoluble
Solubility in other solvents:	miscible with most organic solvents
Solvent content:	72,5 %

SECTION 10: Stability and reactivity**Conditions to avoid**

Keep away from heat and sources of ignition. Do not smoke.
Take measures to prevent the build up of electrostatic charge.

Incompatible materials

Oxidizing agents, Strong acids and strong bases, Metals

Hazardous decomposition products

Carbon oxides, nitrogen oxides (NO_x), Acids, Hydrocarbons, Hydrogen cyanide (hydrocyanic acid).
Oxidizing and spontaneously flammable products.

SECTION 11: Toxicological information**Information on toxicological effects****Acute toxicity**

CAS No.	Chemical name					
	Exposure routes	Method	Dose	Species	h	Source
141-78-6	ethyl acetate					
	Acute oral toxicity	LD50	5600 mg/kg	Ratte		
	Acute dermal toxicity	LD50	18000 mg/kg	Kaninchen		
123-86-4	n-butyl acetate					
	Acute oral toxicity	LD50	13100 mg/kg	Ratte		
	Acute dermal toxicity	LD50	> 5000 mg/kg	Kaninchen		
-	cellulose nitrate; nitrocellulose					
	Acute oral toxicity	LD50	>5000 mg/kg	Ratte		
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol					
	Acute oral toxicity	LD50	5280 mg/kg	Ratte		
	Acute dermal toxicity	LD50	12800 mg/kg	Kaninchen		

Irritation and corrosivity

Irritating to eyes. Risk of serious damage to eyes.

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Sensitizing effects

May cause sensitization by skin contact.

Severe effects after repeated or prolonged exposure

Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood.

Additional information on tests

Harmful if swallowed. Effects due to ingestion may include: Nausea, narcosis, Weakness, Dizziness, Unconsciousness. If inhaled: Irritation of mucous membranes, Dizziness. Repeated exposure may cause skin dryness or cracking.

Empirical data on effects on humans

Health injuries are not known or expected under normal use.

SECTION 12: Ecological information**Other adverse effects**

No data is available on the product itself.

Further information

No data is available on the product itself.
Do not flush into surface water or sanitary sewer system.

SECTION 13: Disposal considerations**Waste treatment methods****Advice on disposal**

Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.
Empty containers can be landfilled, when in accordance with the local regulations.

Waste disposal number of waste from residues/unused products

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors
Classified as hazardous waste.

Waste disposal number of used product

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors
Classified as hazardous waste.

Waste disposal number of contaminated packaging

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors
Classified as hazardous waste.

Contaminated packaging

Can be disposed of as a solid waste or burned in a suitable installation subject to local regulations.
Empty containers can be landfilled, when in accordance with the local regulations.

SECTION 14: Transport information**Land transport (ADR/RID)****UN number:**

UN1263

UN proper shipping name:

PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)

Transport hazard class(es):

3

Packing group:

II

Hazard label:

3

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Classification code: F1
Special Provisions: 163 640D 650
Limited quantity: 5 L
Transport category: 2
Hazard-no.: 33
Tunnel restriction code: D/E

Other applicable information (land transport)

E2

Inland waterways transport

UN number: UN1263
UN proper shipping name: PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)
Transport hazard class(es): 3
Packing group: II
Hazard label: 3



Classification code: F1
Special Provisions: 163 640D 650
Limited quantity: 5 L

Other applicable information (inland waterways transport)

E2

Marine transport

UN number: UN1263
UN proper shipping name: PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)
Transport hazard class(es): 3
Packing group: II
Hazard label: 3



Special Provisions: 163
Limited quantity: 5 L
EmS: F-E, S-E

Other applicable information (marine transport)

E2

Air transport

UN/ID number: UN1263
UN proper shipping name: PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)
Transport hazard class(es): 3

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Packing group:

II

Hazard label:

3



Special Provisions:

A3 A72

Limited quantity Passenger:

1 L

IATA-packing instructions - Passenger:

353

IATA-max. quantity - Passenger:

5 L

IATA-packing instructions - Cargo:

364

IATA-max. quantity - Cargo:

60 L

Other applicable information (air transport)

E2

Y341

SECTION 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

1999/13/EC (VOC):

72,5 %

Additional information

EG Directive 76/768/EEC (cosmetic regulation)

National regulatory information

Employment restrictions:

Observe employment restrictions for young people.

Water contaminating class (D):

1 - slightly water contaminating

SECTION 16: Other information**Full text of R-phrases referred to under sections 2 and 3**

- 03 Extreme risk of explosion by shock, friction, fire or other sources of ignition.
- 10 Flammable.
- 11 Highly flammable.
- 36 Irritating to eyes.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

Full text of H-Statements referred to under sections 2 and 3

- H201 Explosive; mass explosion hazard.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.

Further Information

All data refer to the product upon delivery

End Use: EG Directive 76/768/EEC (cosmetic regulation)

ICAO-Labels: Exempt

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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In case of emergency call CHEMTREC 1-800-424-9300.

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