

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Connex Silver Plus

Print date: 08.07.2015

Product code: 6156

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

1.1. Product identifier

Connex Silver Plus

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

Use of the substance/mixture

Cosmetic product

Restricted to professional users.

1.3. 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

1.4. Emergency telephone number: +49-6723-6020-0 This telephone number is available during office hours only.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Hazard categories:

Flammable liquid: Flam. Liq. 2

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Hazard Statements:

Highly flammable liquid and vapour.

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

2.2. Label elements

Hazardous components which must be listed on the label

2-hydroxyethyl methacrylate

Acylphosphine

Signal word: Danger

Pictograms:



Hazard statements

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Precautionary statements

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No
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	smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands after handling. thoroughly after handling.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P352	Wash with plenty of water.
P364	And wash it before reuse.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to Offer surplus and non-recyclable solutions to a licensed disposal company..

Special labelling of certain mixtures

Restricted to professional users.

2.3. Other hazards

Keep out of the reach of children.

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. Repeated absorption may cause disorder of central nervous system, liver, kidneys and blood. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Chemical characterization**

Chemical Name / INCI:

Alcohol (ethanol, ethyl alcohol)

HEMA (2-hydroxyethyl methacrylate)

Aqua (Water)

Acylphosphine

Pentaerythrityl Tetra-di-t-butyl Hydroxyhydrocinnamate

Piroctone Olamine

BHT

p-Hydroxyanisole

Colloidal Silver

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Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
868-77-9	2-hydroxyethyl methacrylate			25 - 50 %
	212-782-2	607-124-00-X		
	Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1; H319 H315 H317			
84434-11-7	Acyolphosphine			0,1 - 1 %
	282-810-6			
	Skin Sens. 1, Aquatic Chronic 2; H317 H411			

Full text of H and EUH phrases: see section 16.

Further Information

The classification is in compliance with coming legislation and therefore may differ from the safety label on the package.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Take off all contaminated clothing immediately. Call a physician immediately.

After inhalation

Move to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.

After contact with skin

In case of contact, immediately flush skin with soap and plenty of water. If skin irritation occurs, seek medical advice/attention. In case of accidental skin contact avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of skin.

After contact with eyes

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.
In case of accidental eye contact avoid concurrent exposure to the sun or other sources of UV light which may increase the sensitivity of eye.

After ingestion

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

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

Vapours may cause irritation to the eyes, respiratory system and the skin. May cause sensitization by skin contact. Vapours may cause drowsiness and dizziness. Symptoms: Exposure may result in reddening, tears and itching of the eyes and soreness in the nose and throat, together with coughing. Difficulty in breathing. May cause headache and dizziness. Unconsciousness. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special hazards arising from the substance or mixture

Vapours are heavier than air and may spread along floors. Vapors may spread long distances and ignite. Vapours may form explosive mixtures with air. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Keep away from sources of ignition - No smoking. Use water spray to cool unopened containers. Polymerization can occur. Polymerization is a highly exothermic reaction and may generate sufficient heat to cause thermal decomposition and /or rupture containers.

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use only explosion-proof equipment.

Additional information

Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Evacuate personnel to safe areas. Use personal protective equipment. Keep away from sources of ignition - No smoking. Avoid breathing vapors, mist or gas. Avoid contact with skin and eyes.

6.2. Environmental precautions

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13). Ensure adequate ventilation. Use explosion-proof equipment.

6.4. Reference to other sections

13. Disposal considerations

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Use only with adequate ventilation. Handle and open container with care. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas. Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice. Take notice of labels and material safety data sheets for the working chemicals. Refer also to instructions for use.

Advice on protection against fire and explosion

Take precautionary measures against static discharges. Vapors may spread long distances and ignite. Vapours may form explosive mixtures with air. Keep away from sources of ignition - No smoking.

Further information on handling

When using, do not eat, drink or smoke. Polymerisation occurs when exposed to white light, ultraviolet light or heat.

Refer also to instructions for use.

7.2. Conditions for safe storage, including any incompatibilities

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Requirements for storage rooms and vessels

Keep in an area equipped with solvent resistant flooring. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat and sources of ignition. Store in original container. Keep away from direct sunlight.

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.
Materials to avoid: Oxidizing and spontaneously flammable products, Flammable materials, Organic peroxides, Oxidizing agents

7.3. Specific end use(s)

Cosmetic product

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
64-17-5	ethanol, ethyl alcohol			
	Worker DNEL, long-term	dermal	systemic	343 mg/kg bw/day
	Consumer DNEL, long-term	dermal	systemic	206 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	87 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	114 mg/m ³
	Worker DNEL, long-term	inhalation	systemic	950 mg/m ³
	Consumer DNEL, acute	inhalation	local	950 mg/m ³
	Worker DNEL, acute	inhalation	local	1900 mg/m ³
868-77-9	2-hydroxyethyl methacrylate			
	Consumer DNEL, long-term	inhalation	systemic	2,9 mg/m ³
	Consumer DNEL, long-term	oral	systemic	0,83 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	4,9 mg/m ³
	Worker DNEL, long-term	dermal	systemic	1,3 mg/kg bw/day
	Consumer DNEL, long-term	dermal	systemic	0,83 mg/kg bw/day
84434-11-7	Acylphosphine			
	Worker DNEL, long-term	inhalation	systemic	5,88 mg/m ³
	Worker DNEL, long-term	dermal	systemic	1,7 mg/kg bw/day

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PNEC values

CAS No	Substance	Value
Environmental compartment		
64-17-5	ethanol, ethyl alcohol	
Freshwater sediment		3,6 mg/kg
Marine sediment		2,9 mg/kg
Soil		0,63 mg/kg
Marine water		0,79 mg/l
Freshwater		0,96 mg/l
Secondary poisoning		720 mg/kg
868-77-9	2-hydroxyethyl methacrylate	
Marine water		0,482 mg/l
Soil		0,476 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Marine sediment		3,79 mg/kg
Freshwater sediment		3,79 mg/kg
Freshwater		0,482 mg/l
84434-11-7	Acylphosphine	
Soil		0,047 mg/kg
Freshwater		0,00101 mg/l
Marine sediment		0,024 mg/kg
Marine water		0,000101 mg/l
Freshwater sediment		0,24 mg/kg

8.2. Exposure controls

Appropriate engineering controls

Information about special precautions needed for bulk handling is available on request. 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

Provide sufficient air exchange and/or exhaust in work rooms. Handle and open container with care. Keep away from food, drink and animal feedingstuffs. Avoid contact with skin, eyes and clothing. Take off all contaminated clothing immediately. Wash hands before breaks and at the end of workday.

Eye/face protection

Tightly fitting safety goggles

Hand protection

Use protective skin cream before handling the product. Solvent-resistant gloves (butyl-rubber) Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Replace when worn.

Skin protection

Protective suit

Respiratory protection

Use only with adequate ventilation. In case of insufficient ventilation wear suitable respiratory

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equipment. Respiratory protection complying with EN 141.

Environmental exposure controls

The product should not be allowed to enter drains, water courses or the soil. Inform the responsible authorities in case of gas leakage, or of entry into waterways, soil or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

Test method

Changes in the physical state

Initial boiling point and boiling range:	78 °C
Flash point:	12 °C
Lower explosion limits:	3,5 vol. %
Upper explosion limits:	15 vol. %
Ignition temperature:	375 °C
Vapour pressure: (at 20 °C)	58 hPa
Vapour pressure: (at 50 °C)	293 hPa
Density:	>0,89 g/cm ³
Water solubility:	soluble
Solubility in other solvents miscible with most organic solvents	
Solvent content:	53,99 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No data is available on the product itself.

10.2. Chemical stability

Keep containers tightly closed in a cool, well-ventilated place.

10.3. Possibility of hazardous reactions

Polymerization can occur.

10.4. Conditions to avoid

Keep away from heat and sources of ignition. Do not smoke.

Exposure to light. Keep away from direct sunlight. Do not expose to temperatures above 40 °C.

Take measures to prevent the build up of electrostatic charge.

10.5. Incompatible materials

Strong oxidizing agents, Strong acids and strong bases, Peroxides

10.6. Hazardous decomposition products

acetic acid. In case of fire hazardous decomposition products may be produced such as: Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

Further information

Vapours may form explosive mixtures with air.

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SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

No data is available on the product itself.

Acute toxicity

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
868-77-9	2-hydroxyethyl methacrylate				
	oral	LD50	5050 mg/kg	Rat	
	dermal	LD50	>5000 mg/kg	rabbit	
84434-11-7	Acylphosphine				
	oral	LD50	>5000 mg/kg	rat	
	dermal	LD50	>2000 mg/kg	rat	

Specific effects in experiment on an animal

No data is available on the product itself.

Practical experience**Other observations**

Health injuries are not known or expected under normal use.

Further information

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.

SECTION 12: Ecological information**12.1. Toxicity**

No data is available on the product itself.

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CAS No	Chemical name					
	Aquatic toxicity	Method	Dose	[h] [d]	Species	Source
868-77-9	2-hydroxyethyl methacrylate					
	Acute fish toxicity	LC50	227 mg/l	96 h	Pimephales promelas	
	Acute algae toxicity	ErC50	836 mg/l	72 h	Selenastrum capricornutum (green algae)	OECD Test Guideline 201
	Acute crustacea toxicity	EC50	380 mg/l	48 h	Daphnia magna (Water flea)	OECD Test Guideline 202
	Algae toxicity	NOEC	400 mg/l	3 d	Selenastrum capricornutum (green algae)	OECD Test Guideline 201
	Crustacea toxicity	NOEC	171 mg/l	2 d	Daphnia magna (Water flea)	OECD Test Guideline 202
	Acute bacteria toxicity		(8560 mg/l)	3 h		
84434-11-7	Acyolphosphine					
	Acute fish toxicity	LC50	1,89 mg/l	96 h	Brachydanio rerio (zebra fish)	OECD Test Guideline 203
	Acute algae toxicity	ErC50	>1-10 mg/l	72 h		OECD Test Guideline 201
	Acute crustacea toxicity	EC50	10-100 mg/l	48 h	Daphnia magna (Water flea)	OECD Test Guideline 202

12.2. Persistence and degradability

No data is available on the product itself.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
868-77-9	2-hydroxyethyl methacrylate			
		92-100%	14	
	Readily biodegradable.			
84434-11-7	Acyolphosphine			
		<10%	28	
	Not readily biodegradable.			

12.3. Bioaccumulative potential

No data is available on the product itself.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
868-77-9	2-hydroxyethyl methacrylate	0,42
84434-11-7	Acyolphosphine	2,91

BCF

CAS No	Chemical name	BCF	Species	Source
868-77-9	2-hydroxyethyl methacrylate	1,34-1,54		

12.4. Mobility in soil

No data is available on the product itself.

12.5. Results of PBT and vPvB assessment

No data is available on the product itself.

12.6. Other adverse effects

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

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of contents/container in accordance with local regulation.

Waste disposal number of waste from residues/unused products

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

Waste disposal number of used product

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other dangerous substances
Classified as hazardous waste.

Contaminated packaging

Dispose of contents/container in accordance with local regulation.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 1263

14.2. UN proper shipping name: Paint

14.3. Transport hazard class(es): 3

14.4. Packing group: II

Hazard label: 3



Classification code: F1

Special Provisions: 163 640C 650

Limited quantity: 5 L

Excepted quantity: E2

Transport category: 2

Hazard No: 33

Tunnel restriction code: D/E

Other applicable information (land transport)

E2

Inland waterways transport (ADN)

14.1. UN number: UN 1263

14.2. UN proper shipping name: Paint

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14.3. Transport hazard class(es): 3**14.4. Packing group:** II

Hazard label: 3



Classification code: F1

Special Provisions: 163 640C 650

Limited quantity: 5 L

Excepted quantity: E2

Other applicable information (inland waterways transport)

E2

Marine transport (IMDG)**14.1. UN number:** UN 1263**14.2. UN proper shipping name:** Paint**14.3. Transport hazard class(es):** 3**14.4. Packing group:** II

Hazard label: 3



Special Provisions: 163

Limited quantity: 5 L

Excepted quantity: E2

EmS: F-E, S-E

Other applicable information (marine transport)

E2

Air transport (ICAO)**14.1. UN number:** UN 1263**14.2. UN proper shipping name:** Paint**14.3. Transport hazard class(es):** 3**14.4. Packing group:** II

Hazard label: 3



Special Provisions: A3 A72

Limited quantity Passenger: 1 L

Passenger LQ: Y341

Excepted quantity: E2

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

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Danger releasing substance: No data is available on the product itself.

14.6. Special precautions for user

Handle in accordance with good industrial hygiene and safety practice.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

2010/75/EU (VOC): 53,985 % (480,467 g/l)

2004/42/EC (VOC): 83,985 % (747,467 g/l)

Subcategory according to Directive 2004/42/EC: Special finishes - All types, VOC limit value: 840 g/l

Additional information

Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers. Take note of Dir 94/33/EC on the protection of young people at work.

National regulatory information

Employment restrictions: Observe employment restrictions for young people.

Water contaminating class (D): 1 - slightly water contaminating

SECTION 16: Other information

Relevant H- and EUH-phrases (Number and full text)

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Toxic to aquatic life with long lasting effects.

Further Information

All data refer to the product upon delivery

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.

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