



WS Patina, verschiedenfarbig

Print date: 15.12.2014

Product code: 14

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

1.1. Product identifier

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

Use of the substance/mixture

Paint, Varnish.
industrial paint

Uses advised against

Do not use for products which come into contact with the food stuffs.

1.3. Details of the supplier of the safety data sheet

Company name:	Weigel + Schmidt Lackchemie GmbH	
Street:	Am Sportplatz 5	
Place:	D-63791 Karlstein-Dettingen	
Telephone:	+49 6188 9575-0	Telefax: +49 6188 9575-30
e-mail:	info@ws-lackchemie.de	
Responsible Department:	Abt. Produkt / Sicherheit	

1.4. Emergency telephone number: +49 6188 9575-0

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

R phrases:
Flammable.
Vapours may cause drowsiness and dizziness.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Hazard categories:
Flammable liquid: Flam. Liq. 3
Hazard Statements:
Flammable liquid and vapour.

2.2. Label elements

Signal word: Warning
Pictograms: GHS02



Hazard statements

H226 Flammable liquid and vapour.

Precautionary statements

P271 Use only outdoors or in a well-ventilated area.
P501 Offer surplus and non-recyclable solutions to a licensed disposal company.
P370+P378 In case of fire: Use sand, dry chemical or alcohol-resistant foam to extinguish.

Special labelling of certain mixtures

EUH208 Contains methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate.
May produce an allergic reaction.



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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization
Paint, Varnish.

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
265-199-0	Lösungsmittelnaphta, leichte aromatische, Benzolgehalt <0,1%	15 - < 20 %
64742-95-6	Xn - Harmful, Xi - Irritant, N - Dangerous for the environment R10-37-51-53-65-66-67	
	Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411 EUH066	
215-535-7	xylene	5 - < 10 %
1330-20-7	Xn - Harmful, Xi - Irritant R10-20/21-38	
601-022-00-9	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315	
203-603-9	2-methoxy-1-methylethyl acetate	1 - < 5 %
108-65-6	R10	
607-195-00-7	Flam. Liq. 3; H226	
204-626-7	4-hydroxy-4-methylpentan-2-one, diacetone alcohol	1 - < 5 %
123-42-2	Xi - Irritant R36	
603-016-00-1	Eye Irrit. 2; H319	
202-849-4	ethylbenzene	1 - < 5 %
100-41-4	F - Highly flammable, Xn - Harmful R11-20	
601-023-00-4	Flam. Liq. 2, Acute Tox. 4; H225 H332	
216-372-4	1-Propoxy-2-propanol	1 - < 5 %
1569-01-3	R10	
	Flam. Liq. 3, Eye Irrit. 2; H226 H319	
01-2119474443-37		
203-539-1	1-methoxy-2-propanol; monopropylene glycol methyl ether	1 - < 5 %
107-98-2	R10-67	
603-064-00-3	Flam. Liq. 3, STOT SE 3; H226 H336	
264-151-6	quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	< 1 %
63449-41-2	C - Corrosive, Xn - Harmful, N - Dangerous for the environment R21/22-34-50	
612-140-00-5	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 1); H312 H302 H314 H400	
201-297-1	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate	< 1 %
80-62-6	F - Highly flammable, Xi - Irritant R11-37/38-43	
607-035-00-6	Flam. Liq. 2, STOT SE 3, Skin Irrit. 2, Skin Sens. 1; H225 H335 H315 H317	

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

Further Information

Full text of R-phrases: see section 16.

SECTION 4: First aid measures



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4.1. Description of first aid measures

General information

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible). Give nothing to eat or drink.

After inhalation

In case of inhaling spray mists, consult a doctor immediately and show him box or label. If victim is at risk of losing consciousness, position and transport on their side. Provide fresh air.

After contact with skin

After contact with skin, wash immediately with: Water. Take off immediately all contaminated clothing. Change contaminated clothing. Wash thoroughly (shower or bath).

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

If swallowed, immediately drink: Water. Do not induce vomiting. Immediately get medical attention. Caution if victim vomits: Risk of aspiration!

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

Vapours may cause drowsiness and dizziness. Frequently or prolonged contact with skin may cause dermal irritation.

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

In case of accident or if you feel unwell, seek medical advice immediately (show safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Foam. Extinguishing powder. Foam. Dry extinguishing powder. Carbon dioxide (CO₂). ABC powder.

Extinguishing media which must not be used for safety reasons

Water. Foam. High power water jet.

5.2. Special hazards arising from the substance or mixture

Combustible. Vapours may form explosive mixtures with air. Burning produces large quantities of soot. In case of fire and/or explosion do not breathe fumes. Use water spray/stream to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray/stream to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately. Do not empty into drains or the aquatic environment. Contaminated fire-fighting water must be collected separately. Remove product from area of fire. Extinguishing materials should be selected according to the surrounding area.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation. Remove all sources of ignition. Provide adequate ventilation. See protective measures under point 7 and 8.



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6.2. Environmental precautions

Do not empty into drains or the aquatic environment. Explosion hazard. Do not empty into drains or the aquatic environment. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the assimilated material according to the section on waste disposal. Treat the assimilated material according to the section on waste disposal.

6.4. Reference to other sections

See protective measures under point 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Preventive measures: In case of open handling equipment with built-in suction must be used. It is recommended to organize all working processes in order to exclude the following: inhalation. skin contact. Eye contact. Take precautionary measures against static discharges.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Vapours may form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from sources of ignition - No smoking. Keep only in the original container in a cool, well-ventilated place. Take precautionary measures against static discharges.

Advice on storage compatibility

Do not store together with: Material, rich in oxygen, oxidizing. Materials to avoid: Acid. Base. Material, combustible. Oxidizing agents.

Further information on storage conditions

Keep away from sources of ignition - No smoking. Protect against: heat. Keep/Store only in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters



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Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
107-98-2	1-Methoxypropan-2-ol	100	375		TWA (8 h)	WEL
		150	560		STEL (15 min)	WEL
108-65-6	1-Methoxypropyl acetate	50	274		TWA (8 h)	WEL
		100	548		STEL (15 min)	WEL
123-42-2	4-Hydroxy-4-methyl-pentan-2-one	50	241		TWA (8 h)	WEL
		75	362		STEL (15 min)	WEL
64742-95-6	Lösungsmittelnaphtha, leichte aromatische, Benzolgehalt <0,1%		100		TWA (8 h)	
					STEL (15 min)	
100-41-4	Ethylbenzene	100	441		TWA (8 h)	WEL
		125	552		STEL (15 min)	WEL
80-62-6	Methyl methacrylate	50	208		TWA (8 h)	WEL
		100	416		STEL (15 min)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid	650 mmol/mol	urine	Post shift

8.2. Exposure controls

Occupational exposure controls

Occupational exposure controls: Refer to chapter 7. No further action is necessary.

Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and at the end of work. When using do not eat or drink.

Respiratory protection

Respiratory protection required in case of: exceeding critical value insufficient ventilation. insufficient absorption.

Hand protection

Tested protective gloves are to be worn:
Suitable material: NBR (Nitrile rubber), Butyl rubber.
Thickness of glove material: >0,4mm
penetration time (maximum wearing period): >480min
German Industry Norms (DIN) / European Norms (EN): DIN EN 374

Eye protection

Suitable eye protection: Framed glasses. Goggles.

Skin protection

Suitable protection of the body: Lab apron.

Environmental exposure controls

Refer to chapter 7 No further action is necessary.



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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid
Colour: characteristic
Odour: hydrocarbons, aromatic.

Test method

Changes in the physical state

Initial boiling point and boiling range:	135 °C
Flash point:	30 °C
Lower explosion limits:	0,8 vol. %
Upper explosion limits:	8,2 vol. %
Ignition temperature:	315 °C
Vapour pressure: (at 20 °C)	7 hPa
Density (at 20 °C):	1,04 g/cm ³
Water solubility:	insoluble
Flow time:	>600 s 3 DIN 53211
Solvent content:	VOCV (CH): 47,36 % VOC (EU): 443,641 g/l

9.2. Other information

Solid content: 51 %

SECTION 10: Stability and reactivity

10.1. Reactivity

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.2. Chemical stability

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.3. Possibility of hazardous reactions

No risks worthy of mention. Please observe the information on the safety data sheet at all times.

10.4. Conditions to avoid

Keep away from heat. Ignition hazard. Conditions to avoid:
In case of warming: Danger of bursting container.

10.5. Incompatible materials

Alkalis (alkalis). Acid. Oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapors.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Toxicological data are not available.



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CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	h
64742-95-6	Lösungsmittelnaphta, leichte aromatische, Benzolgehalt <0,1%				
	Acute oral toxicity	LD50	2000 mg/kg	Rat.	
	Acute dermal toxicity	LD50	3160 mg/kg	Rabbit.	
	Acute inhalation toxicity	LC50	5,2 mg/l	Rat.	4
1330-20-7	xylene				
	Acute dermal toxicity	ATE	1100 mg/kg		
	Acute inhalation toxicity	ATE	1,5 mg/l		
108-65-6	2-methoxy-1-methylethyl acetate				
	Acute oral toxicity	LD50	8532 mg/kg	Rat	
	Acute dermal toxicity	LD50	7500 mg/kg	Rabbit	
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol				
	Acute oral toxicity	LD50	2520 mg/kg	Rat	
	Acute dermal toxicity	LD50	13630 mg/kg	Rabbit	
100-41-4	ethylbenzene				
	Acute oral toxicity	LD50	3500 mg/kg	Rat	
	Acute dermal toxicity	LD50	15400 mg/kg	Rabbit	
	Acute inhalation toxicity	ATE	1,5 mg/l		
1569-01-3	1-Propoxy-2-propanol				
	Acute oral toxicity	LD50	2504 mg/kg	Rat.	
	Acute dermal toxicity	LD50	3550 mg/kg	Rabbit.	
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether				
	Acute oral toxicity	LD50	> 5000 mg/kg	Rat	
	Acute dermal toxicity	LD50	11000 mg/kg	Rabbit	
63449-41-2	quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides				
	Acute oral toxicity	ATE	500 mg/kg		
	Acute dermal toxicity	ATE	1100 mg/kg		

Specific effects in experiment on an animal

Rat. LD50: 4300 - 5800 mg/kg Acute toxicity, oral
Data apply to the principal component.

Irritation and corrosivity

Evaluation: Not an irritant.

Severe effects after repeated or prolonged exposure

Has de-greasing effect on the skin.

Additional information on tests

The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

Further information

Toxicological data are not available.

SECTION 12: Ecological information



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12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Doesn't get into the sewage water as long as the process is carried out according to regulations.
Very toxic for Water fleas.

CAS No	Chemical name		Method	Dose	Species	h
	Aquatic toxicity					
108-65-6	2-methoxy-1-methylethyl acetate					
	Acute fish toxicity	LC50	161 mg/l		Pimephales promelas	96 h
	Acute crustacea toxicity	EC50	408 mg/l		Daphnia magna	48 h
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol					
	Acute fish toxicity	LC50	420 mg/l		Lepomis macrochirus	96 h
100-41-4	ethylbenzene					
	Acute algae toxicity	ErC50	3,6 mg/l		Algen	96 h
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether					
	Acute fish toxicity	LC50	4600 - 10000 mg/l		Leuciscus idus	96 h
	Acute algae toxicity	ErC50	> 1000 mg/l		Selenastrum capricornutum	72 h
	Acute crustacea toxicity	EC50	> 500 mg/l		Daphnia magna	48 h

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
108-65-6	2-methoxy-1-methylethyl acetate	0,43
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol	1,03
100-41-4	ethylbenzene	3,15
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	-0,437

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

No data available

12.6. Other adverse effects

No data available

Further information

Do not empty into drains or the aquatic environment. The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not empty into drains or the aquatic environment. Waste disposal according to official state

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regulations.

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

Cleaned containers may be recycled. Handle contaminated packaging in the same way as the substance itself. Hand over to officially registered waste disposal company.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: 1263
14.2. UN proper shipping name: PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)
14.3. Transport hazard class(es): 3
14.4. Packing group: III
Hazard label: 3



Classification code: F1
Limited quantity: LQ7
Hazard No: 33

Other applicable information (land transport)

: 163 640H 650
: 3
: E

If this product is transported in containers of a maximum capacity of 450 l according to ADR/RID No. 2.2.3.1.5., it is not referred to as a dangerous good in terms of transport regulations.

Inland waterways transport (ADN)

14.1. UN number: 1263
14.2. UN proper shipping name: PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)
14.3. Transport hazard class(es): 3
14.4. Packing group: III

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Hazard label: 3



Classification code: F1

Limited quantity: LQ7

Other applicable information (inland waterways transport)

: 163 640H 650

If this product is transported in containers of a maximum capacity of 450 l according to ADR/RID No. 2.2.3.1.5., it is not referred to as a dangerous good in terms of transport regulations.

Marine transport (IMDG)

14.1. UN number: 1263

14.2. UN proper shipping name: PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)

14.3. Transport hazard class(es): 3

14.4. Packing group: III

Hazard label: 3



Marine pollutant: •

Limited quantity: 5 L

EmS: F-E, S-E

Other applicable information (marine transport)

: 163, 223, 944, 955

Transport in accordance with paragraph 2.3.2.5 of the IMDG Code.

Air transport (ICAO)

UN/ID number: 1263

14.2. UN proper shipping name: PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)

14.3. Transport hazard class(es): 3

14.4. Packing group: III

Hazard label: 3



Limited quantity Passenger: 10 L

IATA-packing instructions - Passenger: 309

IATA-max. quantity - Passenger: 60 L

IATA-packing instructions - Cargo: 310

IATA-max. quantity - Cargo: 220 L

Other applicable information (air transport)

: Y309

SECTION 15: Regulatory information



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

EU regulatory information

1999/13/EC (VOC): VOCV (CH): 47,36 %
VOC (EU): 443,641 g/l

National regulatory information

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

Water contaminating class (D): 2 - water contaminating

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Relevant R-phrases (Number and full text)

- 10 Flammable.
- 11 Highly flammable.
- 20 Harmful by inhalation.
- 20/21 Harmful by inhalation and in contact with skin.
- 21/22 Harmful in contact with skin and if swallowed.
- 34 Causes burns.
- 36 Irritating to eyes.
- 37 Irritating to respiratory system.
- 37/38 Irritating to respiratory system and skin.
- 38 Irritating to skin.
- 43 May cause sensitisation by skin contact.
- 50 Very toxic to aquatic organisms.
- 51 Toxic to aquatic organisms.
- 53 May cause long-term adverse effects in the aquatic environment.
- 65 Harmful: may cause lung damage if swallowed.
- 66 Repeated exposure may cause skin dryness or cracking.
- 67 Vapours may cause drowsiness and dizziness.

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

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.
- EUH066 Repeated exposure may cause skin dryness or cracking.
- EUH208 Contains methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate. May produce an allergic reaction.

Further Information

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.



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The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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