



**WS-Plast Dickschicht M 4200 EG**

Print date: 29.10.2015

Product code: 1000EG

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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**

Hazard categories:  
Flammable liquid: Flam. Liq. 3  
Hazardous to the aquatic environment: Aquatic Chronic 3  
Hazard Statements:  
Flammable liquid and vapour.

**2.2. Label elements**

Signal word: Warning

Pictograms:



**Hazard statements**

H226 Flammable liquid and vapour.

**Precautionary statements**

P370+P378 In case of fire: Use sand, dry chemical or alcohol-resistant foam to extinguish.  
P501 Dispose of contents/container to Empty containers should be transported/delivered using a registered waste carrier for local recycling or waste disposal..

**Special labelling of certain mixtures**

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

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

**3.2. Mixtures**



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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]			
64742-95-6	Lösungsmittelnaphtha, leichte aromatische, Benzolgehalt <0,1%			10 - < 15 %
	265-199-0			
	Flam. Liq. 3, STOT SE 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H335 H336 H304 H411 EUH066			
1330-20-7	xylene			5 - < 10 %
	215-535-7	601-022-00-9		
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315			
1569-02-4	1-ethoxy-2-propanol, 1-ethoxypropan-2-ol, 2PG1EE, propylene glycol monoethyl ether			5 - < 10 %
	216-374-5	603-177-00-8		
	Flam. Liq. 3, STOT SE 3; H226 H336			
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether			1 - < 5 %
	203-539-1	603-064-00-3		
	Flam. Liq. 3, STOT SE 3; H226 H336			
108-65-6	2-methoxy-1-methylethyl acetate			1 - < 5 %
	203-603-9	607-195-00-7		
	Flam. Liq. 3; H226			
100-41-4	ethylbenzene			1 - < 5 %
	202-849-4	601-023-00-4		
	Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1; H225 H332 H373 H304			
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol			1 - < 5 %
	204-626-7	603-016-00-1		
	Eye Irrit. 2; H319			
80-62-6	methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate; methyl methacrylate			< 1 %
	201-297-1	607-035-00-6		
	Flam. Liq. 2, STOT SE 3, Skin Irrit. 2, Skin Sens. 1; H225 H335 H315 H317			
68308-64-5	Quaternäre Ammoniumverbindungen, Kokosalkylethylidimethyl-, Ethylsulfate			< 1 %
	269-662-8			
	Acute Tox. 4, Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1; H302 H315 H318 H400			

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

**Further Information**

Full text of R-phrases: see section 16.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or 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.



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**After contact with skin**

After contact with skin, wash immediately with: Water. Remove contaminated, saturated clothing immediately. Change contaminated clothing. Wash thoroughly the body (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. Call a physician immediately. 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 unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Foam. Extinguishing powder. Dry extinguishing powder. Sand.

**Unsuitable extinguishing media**

Water. High power water jet.

**5.2. Special hazards arising from the substance or mixture**

Combustible. Vapours may form explosive mixtures with air. In case of fire and/or explosion do not breathe fumes.

**5.3. Advice for firefighters**

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

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains. Remove product from area of fire. Co-ordinate fire-fighting measures to the fire surroundings.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Provide adequate ventilation.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Explosion hazard.

**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 recovered material as prescribed in 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**

Use only in well-ventilated areas. Keep away from sources of ignition. - No smoking. Flammable vapours can accumulate in head space of closed systems. Caution! Transport usually takes place at



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temperatures above the flash point.

**Advice on protection against fire and explosion**

Keep away from sources of ignition. - No smoking. Take precautionary measures against static discharges. 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.

**Advice on storage compatibility**

Do not store together with: Material, rich in oxygen, oxidizing.

**Further information on storage conditions**

Protect against: heat.

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	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
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**

**Appropriate engineering 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 after work. When using do not eat or drink. Observe the wear time limits according GefStoffV in combination with the rules for using respiratory protection apparatus (BGR 190).

**Eye/face protection**

Suitable eye protection: Framed glasses. Goggles.

**Hand protection**

Tested protective gloves are to be worn:



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Suitable material: NBR (Nitrile rubber), Butyl rubber.  
Thickness of glove material: >0,4mm  
penetration time (maximum wearing period): >480min  
DIN-/EN-Norms: DIN EN 374

**Skin protection**

Suitable protective clothing: Lab apron.

**Respiratory protection**

Respiratory protection necessary at: exceeding exposure limit values insufficient ventilation . insufficient absorption.

**Environmental exposure controls**

Refer to chapter 7 No further action is necessary.

**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:	1 vol. %
Upper explosion limits:	8 vol. %
Ignition temperature:	145 °C
Vapour pressure: (at 20 °C)	4,9 hPa
Density:	1,266 g/cm <sup>3</sup> DIN 53217
Flow time:	> 600 (3 mm) 3 DIN 53211
Solvent content:	VOCV (CH): 38,04 % VOC (EU): 459,215 g/l

**9.2. Other information**

Solid content: 62 %

**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.



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**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.

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
64742-95-6	Lösungsmittelnaphtha, leichte aromatische, Benzolgehalt <0,1%				
	oral	LD50	2000 mg/kg	Rat	
	dermal	LD50	3160 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50	5,2 mg/l	Rat	
1330-20-7	xylene				
	dermal	ATE	1100 mg/kg		
	inhalative vapour	ATE	11 mg/l		
	inhalative aerosol	ATE	1,5 mg/l		
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether				
	oral	LD50	> 5000 mg/kg	Rat	IUCLID
	dermal	LD50	11000 mg/kg	Rabbit	
108-65-6	2-methoxy-1-methylethyl acetate				
	oral	LD50	8532 mg/kg	Rat	RTECS
	dermal	LD50	7500 mg/kg	Rabbit	
100-41-4	ethylbenzene				
	oral	LD50	3500 mg/kg	Rat	GESTIS
	dermal	LD50	15400 mg/kg	Rabbit	GESTIS
	inhalative (4 h) vapour	LC50	17,2 mg/l	Rat	
	inhalative aerosol	ATE	1,5 mg/l		
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol				
	oral	LD50	2520 mg/kg	Rat	
	dermal	LD50	13630 mg/kg	Rabbit	
68308-64-5	Quaternäre Ammoniumverbindungen, Kokosalkylethylidimethyl-, Ethylsulfate				
	oral	ATE	500 mg/kg		

**Irritation and corrosivity**

Evaluation: Not an irritant.

**Severe effects after repeated or prolonged exposure**

Has de-greasing effect on the skin.

**Specific effects in experiment on an animal**

Rat LD50: 4300 - 5800 mg/kg Acute toxicity, oral

Data apply to the main component.

**Additional information on tests**

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).



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**Further information**

Toxicological data are not available.

**SECTION 12: Ecological information**

**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					
	Aquatic toxicity	Method	Dose	[h]   [d]	Species	Source
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether					
	Acute fish toxicity	LC50 mg/l	4600 - 10000	96 h	Leuciscus idus	IUCLID
	Acute algae toxicity	ErC50	> 1000 mg/l	72 h	Selenastrum capricornutum	
	Acute crustacea toxicity	EC50	> 500 mg/l	48 h	Daphnia magna	IUCLID
108-65-6	2-methoxy-1-methylethyl acetate					
	Acute fish toxicity	LC50	161 mg/l	96 h	Pimephales promelas	
	Acute crustacea toxicity	EC50	408 mg/l	48 h	Daphnia magna	
100-41-4	ethylbenzene					
	Acute algae toxicity	ErC50	3,6 mg/l	96 h	Algen	GESTIS
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol					
	Acute fish toxicity	LC50	420 mg/l	96 h	Lepomis macrochirus	

**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
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether	-0,437
108-65-6	2-methoxy-1-methylethyl acetate	0,43
100-41-4	ethylbenzene	3,15
123-42-2	4-hydroxy-4-methylpentan-2-one, diacetone alcohol	1,03

**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 allow to enter into surface water or drains. The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Advice on disposal**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.



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**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 hazardous 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 hazardous 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 hazardous substances  
Classified as hazardous waste.

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages 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:** UN 1263  
**14.2. UN proper shipping name:** PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)  
**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

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:** UN 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:** UN 1263

**14.2. UN proper shipping name:** Paint

**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)**

**14.1. UN number:** UN 1263

**14.2. UN proper shipping name:** Paint

**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: 60l  
IATA-packing instructions - Cargo: 310  
IATA-max. quantity - Cargo: 220l

**Other applicable information (air transport)**

: Y309

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no



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**SECTION 15: Regulatory information**

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

**EU regulatory information**

2004/42/EC (VOC): VOCV (CH): 38,04 %  
VOC (EU): 459,215 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 H and EUH statements (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.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
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**

The product is classified and labelled according to EC directives or corresponding national laws.

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.)*