

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**WS-Anti-Zink-Paste**

Revision date: 04.09.2018

Product code: 2012

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

WS-Anti-Zink-Paste

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**industrial paint  
Paint, Varnish.**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:	W+S GmbH Lackchemie und Aerosol-Technik	
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:** +49 551-19240 GIZ-Nord Poisons Centre**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**Hazard categories:  
Flammable liquid: Flam. Liq. 3  
Hazardous to the aquatic environment: Aquatic Chronic 3  
Hazard Statements:  
Flammable liquid and vapour.  
Harmful to aquatic life with long lasting effects.**2.2. Label elements****Regulation (EC) No. 1272/2008****Signal word:** Warning**Pictograms:****Hazard statements**H226 Flammable liquid and vapour.  
H412 Harmful to aquatic life with long lasting effects.**Precautionary statements**P273 Avoid release to the environment.  
P370+P378 In case of fire: Use sand, dry chemical or alcohol-resistant foam to extinguish.  
P501 Dispose of contents/container to Offer surplus and non-recyclable solutions to a licensed disposal company..**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	
	GHS Classification			
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			
	Hydrocarbons, C9-C12, n-alkanes, cyclics, aromatics (2-25%)			5 - < 10 %
	919-446-0		01-2119458049-33	
	Flam. Liq. 3, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H226 H336 H304 H411			
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			
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			
128-37-0	2,6-Di-tert-butyl-p-kresol			< 1 %
	204-881-4		01-2119555270-46	
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			

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.

**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).

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**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**

High power water jet.

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

Combustible. Vapours may form explosive mixtures with air. Burning produces heavy smoke. In case of fire and/or explosion do not breathe fumes. Use water spray jet 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.

**Additional information**

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. See protective measures under point 7 and 8.

**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. 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**

Preventive measures: If handled uncovered, arrangements with local exhaust ventilation have to be used. It is recommended to design all work processes always so that the following is excluded: 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.

**Hints on joint storage**

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**

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**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
128-37-0	2,6-Di-tert-butyl-p-cresol	-	10		TWA (8 h)	WEL
100-41-4	Ethylbenzene	100	441		TWA (8 h)	WEL
		125	552		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 (creatinine)	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:  
Suitable material: NBR (Nitrile rubber), Butyl rubber.  
Thickness of glove material: >0,4mm  
penetration time (maximum wearing period): >480min  
DIN-/EN-Norms: EN ISO 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**

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**Changes in the physical state**

Initial boiling point and boiling range:	135 °C
Softening point:	DIN 52025
Flash point:	30 °C
Lower explosion limits:	1 vol. %
Upper explosion limits:	8 vol. %
Ignition temperature:	430 °C
Vapour pressure: (at 20 °C)	8 hPa
Density:	1,34 g/cm <sup>3</sup> DIN 53217
Flow time: (at 20 °C)	>300 (3 mm) 3 DIN 53211
Solvent content:	VOCV (CH): 23,1 % VOC (EU) 308,897 g/l

**9.2. Other information**

Solid content: 76,84 %

**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 route	Dose	Species	Source	Method
1330-20-7	xylene				
	dermal	ATE 1100 mg/kg			
	inhalation vapour	ATE 11 mg/l			
	inhalation 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		
100-41-4	ethylbenzene				
	oral	LD50 3500 mg/kg	Rat	GESTIS	
	dermal	LD50 15400 mg/kg	Rabbit	GESTIS	
	inhalation (4 h) vapour	LC50 17,2 mg/l	Rat		
	inhalation aerosol	ATE 1,5 mg/l			

**Irritation and corrosivity**

Evaluation: Not an irritant.

**STOT-repeated 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).

**Further information**

Toxicological data are not available.

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

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	Dose	[h]   [d]	Species	Source	Method
107-98-2	1-methoxy-2-propanol; monopropylene glycol methyl ether					
	Acute fish toxicity	LC50 4600 - 10000 mg/l	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	
100-41-4	ethylbenzene					
	Acute algae toxicity	ErC50 3,6 mg/l	96 h	Algen	GESTIS	

**12.2. Persistence and degradability**

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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
100-41-4	ethylbenzene	3,15

**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****Disposal recommendations**

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

**List of Wastes Code - 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; hazardous waste

**List of Wastes Code - 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; hazardous waste

**List of Wastes Code - 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; 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)

**14.3. Transport hazard class(es):** 3

**14.4. Packing group:** III

Hazard label: 3

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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:** 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  
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 (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-TI/IATA-DGR)**

**14.1. UN number:** UN 1263



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<b>14.2. UN proper shipping name:</b>	PAINT (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler and liquid lacquer base)
<b>14.3. Transport hazard class(es):</b>	3
<b>14.4. Packing group:</b>	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****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2004/42/EC (VOC):	VOCV (CH): 23,1 % VOC (EU) 308,897 g/l
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**National regulatory information**

Employment restrictions:	Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Water contaminating class (D):	2 - clearly 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.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**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

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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.)*