



according to Regulation (EC) No 1907/2006

2030 Zinc paste 500 ml

Revision date: 06.02.2024 Product code: 92269 Page 1 of 13

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

1.1. Product identifier

2030 Zinc paste 500 ml

UFI: UQH7-V868-J00S-P132

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

Use of the substance/mixture

Special finishes

1.3. Details of the supplier of the safety data sheet

Company name: Kisling (Deutschland) GmbH

Street: Salzstraße 15
Place: D-74676 Niedernhall
Telephone: +49 7940 50961 61

E-mail: technical.support@kisling.com

Contact person: Dr. Hans Götz Telephone: +49 7940 5096 143

E-mail: compliance@kisling.com
Internet: www.kisling.com

1.4. Emergency telephone 24 hr. emergency phone number +1 872 5888271 (KAR)

number: Medicines & Poisons Info Office +356 2545 6508

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Flam. Liq. 3; H226 Aquatic Acute 1; H400 Aquatic Chronic 1; H410

Full text of hazard statements: see SECTION 16.

2.2. Label elements

Regulation (EC) No 1272/2008

Signal word: Warning

Pictograms:





Hazard statements

H226 Flammable liquid and vapour.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P273 Avoid release to the environment.

P391 Collect spillage.

P403+P235 Store in a well-ventilated place. Keep cool. Labelling of packages where the contents do not exceed 125 ml

Signal word: Warning



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Pictograms:





2.3. Other hazards

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Paints and varnishes

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No	1272/2008)		
7440-66-6	-6 zinc powder - zinc dust (stabilised)			
	231-175-3	030-001-01-9		
	Aquatic Acute 1, Aquatic Chronic 1			
64742-95-6	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified			10 - 20 %
	265-199-0	649-356-00-4	01-2119455851-35	
	Flam. Liq. 3, STOT SE 3, STOT SE H411 EUH066	3, Asp. Tox. 1, Aquatic Chronic 2; F	H226 H335 H336 H304	
1330-20-7	xylene			1-5 %
	215-535-7	601-022-00-9		
	Flam. Liq. 3, Acute Tox. 4, Acute Tox.	ox. 4, Skin Irrit. 2; H226 H332 H312 I	H315	

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

Specific Conc. Limits, M-factors and ATE

Specific Con	C. Limits, IVI-Ia	clois and ATE	
CAS No	EC No	Chemical name	Quantity
	Specific Conc.	Limits, M-factors and ATE	
7440-66-6	231-175-3	zinc powder - zinc dust (stabilised)	50 - 75 %
		2000 mg/kg Aquatic Acute 1; H400: M=1 c 1; H410: M=1	
64742-95-6	265-199-0	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	10 - 20 %
	dermal: LD50	= > 2000 mg/kg; oral: LD50 = > 5000 mg/kg	
1330-20-7	215-535-7	xylene	1-5 %
	1	E = 11 mg/l (vapours); inhalation: ATE = 1.5 mg/l (dusts or mists); dermal: ATE = ral: LD50 = 4300 mg/kg	

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 mist, consult a doctor immediately and show him packing or label. If unconscious but breathing normally, place in recovery position and seek medical advice. Provide fresh air.





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After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. Wash thoroughly the body (shower or bath).

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

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 (CO2), Dry extinguishing powder, Foam.

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. 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

General advice

Remove all sources of ignition.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Other information

Absorb with liquid-binding material (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.





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Advice on protection against fire and explosion

Take precautionary measures against static discharges.

Advice on general occupational hygiene

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).

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and in a well-ventilated place.

Hints on joint storage

Incompatible materials: Base.

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Keep away from heat.

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values

CAS No	Name of agent	ppm	mg/m³	fib/cm³	Category	Origin
1330-20-7	Xylene, mixed isomers, pure	50	221		TWA (8 h)	
		100	442		STEL (15 min)	



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DNEL/DMEL values

CAS No	Name of agent			
DNEL type		Exposure route	Effect	Value
7440-66-6	zinc powder - zinc dust (stabilised)			
Worker DNEL,	long-term	inhalation	systemic	5 mg/m³
Worker DNEL,	long-term	dermal	systemic	83 mg/kg bw/day
Consumer DN	EL, long-term	inhalation	systemic	2,5 mg/m³
Consumer DN	EL, long-term	dermal	systemic	83 mg/kg bw/day
Consumer DN	EL, long-term	oral	systemic	0,83 mg/kg bw/day
64742-95-6	Solvent naphtha (petroleum), light arom.; Low boiling point	naphtha - unspecified		
Worker DNEL,	long-term	inhalation	systemic	1.9 mg/m³
Worker DNEL,	acute	inhalation	systemic	1286.4 mg/m³
Worker DNEL,	long-term	inhalation	local	837.5 mg/m³
Worker DNEL,	acute	inhalation	local	1066.67 mg/m³
Consumer DN	EL, acute	inhalation	systemic	1152 mg/m³
Consumer DN	EL, long-term	inhalation	local	178.57 mg/m³
Consumer DN	EL, acute	inhalation	local	640 mg/m ³
Worker DNEL,	long-term	dermal	systemic	25 mg/kg bw/day
Consumer DN	EL, long-term	dermal	systemic	11 mg/kg bw/day
Consumer DN	EL, long-term	inhalation	systemic	0.41 mg/m³
Consumer DN	EL, long-term	oral	systemic	11 mg/kg bw/day
1330-20-7	xylene			
Worker DNEL,	long-term	inhalation	systemic	221 mg/m³
Worker DNEL,	acute	inhalation	systemic	442 mg/m³
Worker DNEL,	long-term	inhalation	local	221 mg/m³
Worker DNEL,	acute	inhalation	local	442 mg/m³
Worker DNEL,	long-term	dermal	systemic	212 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	65,3 mg/m³
Consumer DNEL, acute		inhalation	systemic	260 mg/m³
Consumer DNEL, long-term		inhalation	local	65,3 mg/m³
Consumer DNEL, acute		inhalation	local	260 mg/m³
Consumer DN	EL, long-term	dermal	systemic	125 mg/kg bw/day
Consumer DN	EL, long-term	oral	systemic	12,5 mg/kg bw/day



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PNEC values

CAS No	Name of agent	
Environmenta	al compartment	Value
7440-66-6	zinc powder - zinc dust (stabilised)	
Freshwater		0,0206 mg/l
Marine water		0,0061 mg/l
Freshwater s	ediment	117,8 mg/kg
Marine sedim	nent	121 mg/kg
Micro-organis	sms in sewage treatment plants (STP)	0,1 mg/l
Soil		106,8 mg/kg
1330-20-7	xylene	
Freshwater		0,327 mg/l
Freshwater (i	intermittent releases)	0,327 mg/l
Marine water		0,327 mg/l
Freshwater sediment		12,46 mg/kg
Marine sediment		12,46 mg/kg
Micro-organisms in sewage treatment plants (STP)		6,58 mg/l
Soil		2,31 mg/kg

8.2. Exposure controls

Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear eye/face protection.

Hand protection

Wear suitable gloves. EN ISO 374 . Breakthrough times and swelling properties of the material must be taken into consideration.

Skin protection

Wear anti-static footwear and clothing

Respiratory protection

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

Environmental exposure controls

Do not allow to enter into surface water or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Colour: silver grey
Odour: characteristic

Test method

Boiling point or initial boiling point and 145 °C

boiling range:

Lower explosion limits:

Upper explosion limits:

7,6 vol. %
Flash point:

Auto-ignition temperature:

205 °C





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Vapour pressure: 2,1 hPa

(at 20 °C)

Density (at 20 °C): 2,142 g/cm³

9.2. Other information

Other safety characteristics

Solvent content: 23,3
Solid content: 71

Flow time: 600 3 DIN 53211

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

The product develops hydrogen in an aqueous solution in contact with metals.

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Heating may cause a fire or explosion.

10.5. Incompatible materials

Materials to avoid: Base.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicocinetics, metabolism and distribution

Toxicological data are not available.

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) 0.0000 mg/kg; ATE (inhalation vapour) 0.0000 mg/l; ATE (inhalation dust/mist) 0.0000 mg/l



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CAS No	Chemical name	Chemical name				
	Exposure route	Dose		Species	Source	Method
7440-66-6	zinc powder - zinc dust	(stabilised)				
	oral	LD50 mg/kg	> 2000	Rat	Study report (1996)	OECD Guideline 401
64742-95-6	Solvent naphtha (petrol	eum), light a	rom.; Low bo	iling point naphtha - u	nspecified	
	oral	LD50 mg/kg	> 5000	Rat	Study report (1986)	OECD Guideline 401
	dermal	LD50 mg/kg	> 2000	Rabbit	Study report (1986)	OECD Guideline 402
1330-20-7	xylene					
	oral	LD50 mg/kg	4300	Rat	Arch Ind Health 14:387-398. (1956)	EU Method B.1
	dermal	ATE mg/kg	1100			
	inhalation vapour	ATE	11 mg/l			
	inhalation dust/mist	ATE	1.5 mg/l			

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No data available

SECTION 12: Ecological information

12.1. Toxicity

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Very toxic to daphnia.



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CAS No	Chemical name	Chemical name					
	Aquatic toxicity	Dose		[h] [d]	Species	Source	Method
64742-95-6	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified						
	Acute fish toxicity	LL50	8.2 mg/l	96 h	Pimephales promelas	Study report (1995)	other: EPA 66013-75-009
	Acute algae toxicity	ErC50	3.1 mg/l		Raphidocelis subcapitata	Study report (1995)	OECD Guideline 201
	Acute crustacea toxicity	EL50	4.5 mg/l	48 h	Daphnia magna	Study report (1995)	OECD Guideline 202
	Acute bacteria toxicity	(EC50	99 mg/l)		Activated sludge	Pre-supplier/manu facturer	OECD 209
1330-20-7	xylene						
	Acute fish toxicity	LC50	8,4 mg/l	96 h	Oncorhynchus mykiss	Ecotoxicology and Environmental Safety.	OECD Guideline 203
	Acute algae toxicity	ErC50	4,9 mg/l	72 h	Pseudokirchneriella subcapitata	Ecotoxicology and Environmental Safety.	OECD Guideline 201
	Acute crustacea toxicity	EC50 mg/l	> 3,4	48 h	Ceriodaphnia dubia	Ecotoxicology and Environmental Safety 3	other: US EPA 600/4-91-003
	Fish toxicity	NOEC mg/l	> 1,3	56 d	Oncorhynchus mykiss	Appl. Sci. Branch, Eng. Res. Cent. Denve	Fish were exposed in artificial streams
	Crustacea toxicity	NOEC mg/l	1,17	7 d	Ceriodaphnia dubia	Ecotoxicology and Environmental Safety 3	other: US EPA 600/4-91-003
	Acute bacteria toxicity	(EC50 mg/l)	> 175	0.5 h	Activated sludge	Research Journal WPCF 60(10) 1850-1856 (OECD Guideline 209

12.2. Persistence and degradability

No data available

110 44	ia available			
CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation	-	-	-
64742-95-6	Solvent naphtha (petroleum), light arom.; Low boiling point nap	htha - unspecified		
	OECD 301F	78 %	28	Pre-supplier/manufactur
				er
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

No data available

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
1330-20-7	xylene	3,2

BCF

CAS No	Chemical name	BCF	Species	Source
7440-66-6	zinc powder - zinc dust (stabilised)	69,48	Capoeta fusca	Water Qual Expo Heal
1330-20-7	xylene	> 5,5 - < 12,2	Oncorhynchus mykiss	Appl. Sci. Branch, E

12.4. Mobility in soil

No data available



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12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. No data available

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No data available

Further information

Do not allow to enter into surface water or drains.

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

 ${\tt COATINGS~(PAINTS, VARNISHES~AND~VITREOUS~ENAMELS),~ADHESIVES,~SEALANTS~AND~PRINTING~INKS;~wastes~from~MFSU~and~removal~of~paint~and~varnish;~waste~paint~and~varnish$

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.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:UN 126314.2. UN proper shipping name:Paint14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3



Classification code: F1

Special Provisions: 163 640E 650

Limited quantity: 5 L
Transport category: 3
Hazard No: 30
Tunnel restriction code: D/E



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Other applicable information (land transport)

E0

E3

E2

F1

Inland waterways transport (ADN)

14.1. UN number or ID number:UN 126314.2. UN proper shipping name:Paint14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3



Classification code: F1

Special Provisions: 163 640E 650

Limited quantity: 5 L

Other applicable information (inland waterways transport)

E0 E1

Marine transport (IMDG)

14.1. UN number or ID number:UN 126314.2. UN proper shipping name:Paint14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3



Special Provisions: 163, 223, 955

Other applicable information (marine transport)

E0 F1

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:UN 126314.2. UN proper shipping name:Paint14.3. Transport hazard class(es):314.4. Packing group:IIIHazard label:3



Special Provisions: A3 A72 Limited quantity Passenger: 10 L

IATA-packing instructions - Passenger:355IATA-max. quantity - Passenger:60 LIATA-packing instructions - Cargo:366IATA-max. quantity - Cargo:220 L





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Other applicable information (air transport)

E0 : Y203 E1 : Y344

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

2010/75/EU (VOC): 23,2%; 497 g/l

2004/42/EC (VOC): 497 g/l

Subcategory according to Directive One-pack performance coatings - Solvent-borne coatings, VOC limit

2004/42/EC: value: 500 g/l

National regulatory information

Employment restrictions: Observe employment restrictions under the Maternity Protection Directive

(92/85/EEC) for expectant or nursing mothers. Observe employment

restrictions for women of child-bearing age.

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

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

SECTION 16: Other information

Abbreviations and acronyms

Flam. Liq: Flammable liquid Acute Tox: Acute toxicity Asp. Tox: Aspiration hazard Skin Irrit: Skin irritation

STOT SE: Specific target organ toxicity - single exposure

Aquatic Acute: Acute aquatic hazard Aquatic Chronic: Chronic aquatic hazard

Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data
Aquatic Acute 1; H400	Calculation method
Aquatic Chronic 1; H410	Calculation method

Relevant H and EUH statements (number and full text)

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.



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H335 May cause respiratory irritation.H336 May cause drowsiness or dizziness.

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.

EUH066 Repeated exposure may cause skin dryness or cracking.

Further Information

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.

Identified uses

No	Short title	LCS	SU	PC	PROC	ERC	AC	TF	Specification
	Coatings and paints,	-	-	9a	7, 11	11a	7, 7a	91	
	thinners, paint removers								

LCS: Life cycle stages
PC: Product categories
ERC: Environmental release categories

ERC: Environmental release categories
TF: Technical functions

SU: Sectors of use PROC: Process categories AC: Article categories

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