

Weicon GmbH

Revision date: 24.08.2010

Revision no.:

1,00

Brushable Liquid Zinc Paint

7619-0256

1. Product and Company Identification

Commercial product name

Brushable Liquid Zinc Paint

Further trade names

150000

Chemical characterization (Mixture)

Paint

Company/undertaking identification

Manufacturer

Weicon GmbH

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D-48157 Münster

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Responsible for the safety data sheet: sds@gbk-ingelheim.de

2. Hazards Identification

Route(s) of Entry

Skin and eye contact, inhalation and ingestion.

Signs and Symptoms of Exposure

CAUTION !

Flammable

Attention. Beware of aspiration danger.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

3. Composition/Information on Ingredients

Hazardous components

CAS No.	Components	Quantity
7440-66-6	zinc powder - zinc dust (stabilized)	25 - 50 %
64742-95-6	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	10 - 24 %
1330-20-7	xylene	2.5 - 10 %
64742-82-1	Naphtha (petroleum)	<=2.5 %
1305-78-8	calcium oxide	<=2.5 %

4. First Aid Measures

General information

Remove contaminated soaked clothing immediately.

If you feel unwell, seek medical advice.

After inhalation

Move to fresh air in case of accidental inhalation of vapours.

In the event of symptoms refer for medical treatment.

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After contact with skin

In case of contact with skin wash off with soap and water.

In case of irritation consult a physician.

After contact with eyes

Rinse thoroughly with plenty of water, also under the eyelids.

If eye irritation persists, consult a specialist.

After ingestion

Do not induce vomiting.

Seek medical treatment immediately.

Advice to physician

Attention. Beware of aspiration danger.

5. Fire Fighting Measures

Suitable extinguishing media

Dry powder

Carbon dioxide

Sand

Unsuitable extinguishing media

Full water jet

Special hazards arising from the chemical

Fire may produce:

Carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters

Use breathing apparatus with independent air supply.

Additional information

Cool containers at risk with water spray jet.

Collect contaminated firefighting water separately, must not be discharged into the drains.

6. Accidental Release Measures

Personal precautions

In case of vapour formation use respirator.

Keep away sources of ignition.

Ensure adequate ventilation.

Use personal protective clothing.

Environmental precautions

Do not discharge into the drains or bodies of water.

Methods for cleaning up/taking up

Take up residues with suitable absorbent materials.

Shovel into suitable container for disposal.

7. Handling and Storage

Handling

Advice on safe handling

Keep container tightly closed.

Avoid contact with skin, eyes and clothing.

Use only in well-ventilated areas.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Pay attention to anti-explosion rules.

Take measures against electrostatic charging.

Storage

Requirements for storage rooms and vessels

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

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Protect from direct solar radiation.

Keep in closed original container.

8. Exposure Controls/Personal Protection

Exposure limit values

Exposure limits

CAS No.	Components	ppm	mg/m ³	fib/cc	Category	Origin
1305-78-8	Calcium oxide	-	5		TWA (8 h)	PEL
		-	2		TWA (8 h)	REL
		-	2		TWA (8 h)	TLV
		-	-		STEL (15 min)	TLV
		-	-		Peak	TLV
1330-20-7	Xylene	100	434		TWA (8 h)	TLV
		150	651		STEL (15 min)	TLV
		-	-		Peak	TLV
1330-20-7	Xylenes (o-,m-,p-isomers)	100	435		TWA (8 h)	PEL

Occupational exposure controls

Provide appropriate exhaust ventilation at machinery and at places where dust or smoke can be generated.

Protective and hygiene measures

At work do not eat, drink and smoke.

Wash hands and skin before breaks and after work.

When using, do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

ANSI Z49.1 Safety in Welding, Cutting and allied processes.

Respiratory protection

Use suitable breathing apparatus if there is inadequate ventilation.

Hand protection

Protective gloves resistant to chemicals made off viton, Minimum coat thickness 0,7 mm, Permeation resistance (wear duration) approx. 480 minutes, i.e. protective glove <Vitoject 890> made by www.kcl.de.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Eye protection

Safety goggles with side protection

Skin protection

Protective clothing

9. Physical and Chemical Properties

Appearance

Form: Liquid
 Color: Silver-coloured
 Odor: Solvent-like

Important health, safety and environmental information

pH-Value: n.a. Test method

Changes in the physical state

Boiling point: 137 °C

Flash point: 30 °C

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Explosive properties

"The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated."

Lower explosion limits:	0,7 vol. %
Upper explosion limits:	7,5 vol. %
Vapour pressure: (at 20 °C)	5 hPa
Density:	1,8 - 2,19 g/cm ³
Water solubility:	Insoluble
Viscosity / kinematic:	60-80 mm ² /s 4 DIN 53211

Other information

Ignition temperature: 450 °C

10. Stability and Reactivity**Stability**

Stable

Conditions to avoid

Keep away from heat and sources of ignition.
Vapour/air mixtures are explosive at intensive warming.
Heating can release vapours which can be ignited.

Materials to avoid

Oxidizing agents.

Hazardous decomposition products

Carbon monoxide and carbon dioxide.

Possibility of Hazardous Reactions

Will not occur

Additional informationNo decomposition if used as directed.

11. Toxicological Information**Corrosive and irritant effects**

Skin irritation : Non-irritant

Eye irritation: Non-irritant

Sensitising effects

Skin sensitization, remark : Non-sensitizing

Further informationVapours may cause drowsiness and dizziness.

12. Ecological Information**Ecotoxicity**

No data available.

Further information

Do not discharge product unmonitored into the environment.
Product is not allowed to discharge into the ground water or aquatic environment.
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. Disposal Considerations**Advice on disposal**

Where possible recycling is preferred to disposal.
Product rests: send for disposal, e.g. special waste incineration.

14. Transport Information

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US DOT 49 CFR 172.101**Proper shipping name**

PAINT

ID Number:	UN1263
Hazard Class or Division:	3
Packing group:	III
Label:	3

Land transport (ADR/RID)

UN number:	1263
ADR/RID class:	3
Classification Code:	F1
Warning plate	
Hazard-no.:	33
Hazard label:	3



ADR/RID packing group:	III
Limited quantity:	LQ4

Description of the goods

Paint

Other applicable information

Special provision.: 640D

Tunnel restriction code: D/E

Marine transport

UN number:	1263
IMDG code:	3
Marine pollutant:	-
Hazard label:	3



IMDG packing group:	III
EmS:	F-E, S-E
Limited quantity:	5 L

Description of the goods

PAINT

Air transport

UN/ID number:	1263
ICAO/IATA-DGR:	3
Hazard label:	3



ICAO packing group:	III
Limited quantity Passenger:	1 L
IATA-packing instructions - Passenger:	309
IATA-max. quantity - Passenger:	60 L
IATA-packing instructions - Cargo:	310

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IATA-max. quantity - Cargo:

220 L

Description of the goods

PAINT

15. Regulatory Information**U.S. Regulations****National Inventory TSCA**

All of the components are listed on the TSCA inventory.

SARA

This product contains toxic chemical(s) subject to the reporting requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372. Any such toxic chemical(s) are shown below.

Xylene, CAS No. 1330-20-7 (max. 10%)

16. Other Information**Hazardous Materials Information Label (HMIS)**

Health: 1

Flammability: 2

Physical Hazard: 0

NFPA Hazard Ratings

Health: 1

Flammability: 2

Reactivity: 0

Unique Hazard:

**Other data**

Data of sections 4 to 8, as well as 10 to 12, do not necessarily refer to the use and the regular handling of the product (in this sense consult package leaflet and expert information), but to release of major amounts in case of accidents and irregularities.

The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

The delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

Literature:

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