

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

Name of product Brushable Zinc Paint
Code-Nr. 150000

1.2. Relevant identified uses of the substance or mixture and uses advised against**Recommended intended purpose(s)**

Technical Liquids

1.3. Details of the supplier of the safety data sheet**Distributor**

WEICON GmbH & Co. KG
Königsberger Str. 255,, DE-48157 Münster
Phone ++49(0)251 / 9322 - 0, Fax ++49(0)251 / 9322 - 244
E-Mail : msds@weicon.de
Internet : www.weicon.de

Advice

Produktsicherheit / Product-Safety-Department
Phone ++49(0)251 / 9322 - 0
E-mail (competent person):
msds@weicon.de

1.4. Emergency telephone number

EMERGENCY CONTACT - UK, UAE, South Africa (24h): Tel:
++44 1865 407333 (English)
TRANSPORT EMERGENCY CONTACT - UK, UAE, South
Africa (24h): Tel: ++44 1865 407333 (English)

Manufacturer

WEICON GmbH & Co. KG
Königsberger Str. 255, DE-48157 Münster

1.4. Emergency telephone number

GIFTNOTRUF/TRANSPORTNOTRUF - Deutschland (24h):
Tel: ++49 69 222 25285 (Deutsch, Englisch)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

| Hazard classes and Hazard categories | Hazard Statements | Classification procedure |
|--------------------------------------|-------------------|--------------------------|
|--------------------------------------|-------------------|--------------------------|

| | | |
|-------------------|------|--|
| Flam. Liq. 3 | H226 | |
| Eye Irrit. 2 | H319 | |
| STOT SE 3 | H335 | |
| Aquatic Chronic 1 | H410 | |

Hazard Statements

| | |
|------|---|
| H226 | Flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H410 | Very toxic to aquatic life with long lasting effects. |

2.2. Label elements**Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**

GHS02



GHS07



GHS09

Signal word

Warning

Hazard Statements

| | |
|------|---|
| H226 | Flammable liquid and vapour. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| 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. |
| P233 | Keep container tightly closed. |
| P243 | Take precautionary measures against static discharge. |
| P264 | Wash hands thoroughly after handling. |
| P273 | Avoid release to the environment. |
| P280 | Wear protective gloves/protective clothing/eye protection/face protection. |
| P303 + P361 + P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. |
| P305 + P351 + P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P337 + P313 | If eye irritation persists: Get medical advice/attention. |
| P370 + P378 | In case of fire: Use dry sand to extinguish. |
| P391 | Collect spillage. |
| P403 + P235 | Store in a well-ventilated place. Keep cool. |
| P501 | Dispose of contents/container to hazardous or special waste collection point. |

Hazardous ingredients for labeling

Solvent naphtha (petroleum), light arom. (NOTA P), xylene

2.3. Other hazards**Information pertaining to special dangers for human and environment**

In extensive use, formation of flammable / explosive vapour-air mixture is possible.

Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

SECTION 3: Composition/ information on ingredients**3.1. Substances**

not applicable

3.2. Mixtures**Description**

Corrosion protection agent



Safety Data Sheet according to Regulation (EC)
No. 1907/2006 (REACH)

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Hazardous ingredients

| CAS No | EC No | Name | [% weight] | Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] |
|------------|-----------|---|------------|---|
| 100-41-4 | 202-849-4 | ethylbenzene | < 10 | Flam. Liq. 2, H225 / Acute Tox. 4, H332 / STOT RE 2, H373 (hearing organs) / Asp. Tox. 1, H304 |
| 7440-66-6 | 231-175-3 | zinc powder - zinc dust (stabilized) | 25 < 50 | Aquatic Acute 1, H400 / Aquatic Chronic 1, H410 |
| 1330-20-7 | 215-535-7 | xylene | 5 < 10 | Flam. Liq. 3, H226 / Acute Tox. 4, H332 / Acute Tox. 4, H312 / Skin Irrit. 2, H315 |
| 1314-13-2 | 215-222-5 | zinc oxide | 2,5 < 10 | Aquatic Acute 1, H400 / Aquatic Chronic 1, H410 |
| 64742-82-1 | 265-185-4 | Naphtha (petroleum), hydrotreated heavy (NOTA P) | 0,1 < 0,25 | Asp. Tox 1, H304 / STOT SE 3, H336 / Flam. Liq. 3, H226 / Aquatic Chronic 2, H411 / , EUH066 |
| 64742-95-6 | 265-199-0 | Solvent naphtha (petroleum), light arom. (NOTA P) | 15 < 20 | Flam. Liq. 3, H226 / Asp. Tox. 1, H304 / STOT SE 3, H335 / Aquatic Chronic 2, H411 / STOT SE 3, H336 / , EUH066 |
| 1305-78-8 | 215-138-9 | Caliumoxid | 1 < 3 | Skin Irrit. 2, H315 / Eye Dam. 1, H318 |

REACH

| CAS No | Name | REACH registration number |
|-----------|------------|---------------------------|
| 1305-78-8 | Caliumoxid | 01-2119475325-36 |

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately.

In case of inhalation

Remove the casualty into fresh air and keep him immobile.

In the event of symptoms refer for medical treatment.

In case of skin contact

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

Consult a doctor if skin irritation persists.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

Seek medical advice.

Do not induce vomiting.

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

No information available.

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry powder

Carbon dioxide

sand



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Unsuitable extinguishing media

water

5.2. Special hazards arising from the substance or mixture

In case of fire formation of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Additional information

Cool endangered containers with water spray jet.

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

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

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Ensure adequate ventilation.

Keep away sources of ignition.

6.2. Environmental precautions

Inform pollution control authorities if product gets into the sewerage systems or open waters.

Do not discharge into the drains or bodies of water..

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

After taking up the material dispose according to regulation.

6.4. Reference to other sections

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid formation of aerosols.

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

General protective measures

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

Hygiene measures

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

Wash hands before breaks and after work.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking

Do not spray on a naked flame or any incandescent material.

Vapours can form an explosive mixture with air.

Take precautionary measures against static discharges.

**Brushable Zinc Paint****7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep only in original container.

Advice on storage compatibility

Do not store with combustible materials.

Further information on storage conditions

Keep container dry.

Store container at cool and aired place.

7.3. Specific end use(s)**Recommendation(s) for intended use**

See section 1.2

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Ingredients with occupational exposure limits to be monitored**

| CAS No | Name | Code | [mg/m3] | [ppm] | Remark |
|-----------|-------------------------------------|------------|---------|-------|-----------|
| 1305-78-8 | Calcium oxide | 8 hours | 2 | | EH40/2005 |
| 100-41-4 | Ethylbenzene | 8 hours | 441 | 100 | EH40/2005 |
| | | Short-term | 552 | 125 | |
| 1330-20-7 | Xylene, o-, m-, p- or mixed isomers | 8 hours | 220 | 50 | EH40/2005 |
| | | Short-term | 441 | 100 | |

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)

| CAS No | Name | Code | [mg/m3] | [ppm] | Remark |
|-----------|-----------------------------|------------|---------|-------|--------|
| 100-41-4 | ethylbenzene | 8 hours | 442 | 100 | skin |
| | | Short-term | 884 | 200 | |
| 1330-20-7 | xylene, mixed isomers, pure | 8 hours | 221 | 50 | skin |
| | | Short-term | 442 | 100 | |

DNEL-/PNEC-values**DNEL worker**

| CAS No | Substance name | Value | Code | Remark |
|------------|---|-----------|--------------------------------------|--------|
| 1314-13-2 | zinc oxide | 5 mg/m3 | DNEL long-term inhalative (systemic) | |
| | | 83 mg/kg | DNEL long-term dermal (systemic) | |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. (NOTA P) | 25 mg/kg | DNEL long-term dermal (systemic) | |
| | | 150 mg/m3 | DNEL long-term inhalative (systemic) | |
| 7440-66-6 | zinc powder - zinc dust (stabilized) | 83 mg/kg | DNEL long-term dermal (systemic) | |
| | | 5 mg/m3 | DNEL long-term inhalative (systemic) | |

DNEL Consumer

| CAS No | Substance name | Value | Code | Remark |
|------------|---|----------|--------------------------------|--------|
| 64742-95-6 | Solvent naphtha (petroleum), light arom. (NOTA P) | 11 mg/kg | DNEL long-term oral (repeated) | |



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PNEC

| CAS No | Substance name | Value | Code | Remark |
|-----------|--------------------------------------|-------------|-----------------------------|--------|
| 1314-13-2 | zinc oxide | 56,5 mg/kg | PNEC sediment, marine water | |
| | | 0,0206 mg/l | PNEC aquatic, freshwater | |
| | | 0,0061 mg/l | PNEC aquatic, marine water | |
| | | 117,8 mg/kg | PNEC sediment, freshwater | |
| 7440-66-6 | zinc powder - zinc dust (stabilized) | 117,8 mg/kg | PNEC sediment, freshwater | |
| | | 0,0206 mg/l | PNEC aquatic, freshwater | |
| | | 0,0061 mg/l | PNEC aquatic, marine water | |
| | | 56,5 mg/kg | PNEC sediment, marine water | |

Additional advice

The statutory local and national regulations have to be observed.

8.2. Exposure controls

Respiratory protection

If ventilation insufficient, wear respiratory protection.

Hand protection

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: fluorinated rubber; 0,7mm; 480min; 60min;

Eye protection

tightly fitting goggles

Other protection measures

protective clothing

Appropriate engineering controls

Sufficient ventilation and exhaustion.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

liquid

Colour

silver-coloured

Odour

solvent-like

Odour threshold

not determined

Important health, safety and environmental information

| | Value | Temperature | at | Method | Remark |
|--------------------------------|----------------|-------------|----|--------|--------|
| pH value | not determined | | | | |
| boiling point | 137 °C | | | | |
| Melting point / Freezing point | not determined | | | | |

**Brushable Zinc Paint**

| | Value | Temperature | at | Method | Remark |
|--|-------------------------|-------------|----|--------|--------|
| Flash point | 30 °C | | | | |
| Vapourisation rate | not determined | | | | |
| Flammable (solid) | not determined | | | | |
| Flammability (gas) | not determined | | | | |
| Ignition temperature | not determined | | | | |
| Self ignition temperature | not determined | | | | |
| Lower explosion limit | not determined | | | | |
| Upper explosion limit | not determined | | | | |
| Vapour pressure | not determined | | | | |
| Relative density | 1,9 g/cm ³ | | | | |
| Vapour density | not determined | | | | |
| Solubility in water | not determined | | | | |
| Solubility/other | not determined | | | | |
| Partition coefficient n-octanol/water (log P O/W) | not determined | | | | |
| Decomposition temperature | not determined | | | | |
| Viscosity kinematic | > 21 mm ² /s | 40 °C | | | |

Oxidising properties

No information available.

Explosive properties

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

9.2. Other information

No information available.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

Formation of explosive gas/air mixtures.

10.4. Conditions to avoid

Keep away from heat.

**Brushable Zinc Paint****10.5. Incompatible materials**

No information available.

10.6. Hazardous decomposition products**Thermal decomposition**

Remark No decomposition if used as directed.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity/Irritation/Sensitization**

| | Value/Validation | Species | Method | Remark |
|------------------------------|------------------|---------|-------------------------------------|---|
| LD50 acute oral | > 2000 mg/kg | rat | | Information concerns to main component. |
| LD50 acute dermal | 1100 mg/kg | | Conversion value for acute toxicity | Xylene |
| LC50 acute inhalation | 5,41 mg/l (4 h) | rat | | Informations concern to main component. |
| Skin irritation | irritant | | | |
| Eye irritation | irritant | | | |

Experiences made from practice

Often and long skin contact may cause degreasing and desiccation of the skin which may cause skin irritation.

Risk of strong eye injuries.

Irritates eyes and skin.

Additional information

The product is to be handled with the caution usual with chemicals.

Other hazardous properties may not be excluded.

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

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

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.

12.6. Other adverse effects

**Brushable Zinc Paint****General regulation**

Very toxic to aquatic life with long lasting effects.

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into aquatic environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Waste code No.**

08 01 11*

Name of waste

waste paint and varnish containing organic solvents or other hazardous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

Recommendations for the product

Remove in accordance with local official regulations.

Recommendations for packaging

Dispose of according to the local waste regulations.

Packaging that cannot be cleaned should be disposed of like the product.

SECTION 14: Transport information

| | ADR/RID | IMDG | IATA-DGR |
|---|---------|---------------------|----------|
| 14.1. UN number | 1263 | 1263 | 1263 |
| 14.2. UN proper shipping name | PAINT | PAINT (ZINC POWDER) | Paint |
| 14.3. Transport hazard class(es) | 3 | 3 | 3 |
| 14.4. Packing group | III | III | III |
| 14.5. Environmental hazards | Yes | Yes | Yes |

14.6. Special precautions for user

No information available.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

Land and inland navigation transport ADR/RID

Hazard label(s) 3

tunnel restriction code D/E

Special provisions 640E

Classification code F1

transport in "limited quantities" according to 3.4 ADR is possible

Marine transport IMDG

MARINE POLLUTANT

Transport as limited quantities according to 3.4 IMDG Code is possible.



SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****VOC standard**

| | |
|-------------|-----------|
| VOC content | 25,4 % |
| VOC value | 467,4 g/L |

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

For industrial use only.

Further information

Each user is responsible for the implementation of the national special regulations.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EU-directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 8.5

| | |
|--------|--|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| 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. |
| H318 | Causes serious eye damage. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H373 | May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard). |
| 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. |