

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

**Name of product** Zinc-Spray  
Code-Nr. 110000

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

Technical Aerosols

**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  
Fax : +49(0)251 / 9322 - 244  
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 |
|--------------------------------------|-------------------|--------------------------|
|--------------------------------------|-------------------|--------------------------|

|                   |            |  |
|-------------------|------------|--|
| Aerosol 1         | H222, H229 |  |
| Eye Irrit. 2      | H319       |  |
| Aquatic Chronic 2 | H411       |  |

**Hazard Statements**

|      |  |
|------|--|
| H222 | Extremely flammable aerosol.                     |
| H229 | Pressurised container: May burst if heated.      |
| H319 | Causes serious eye irritation.                   |
| H411 | 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**

Danger

**Hazard Statements**

|      |  |
|------|--|
| H222 | Extremely flammable aerosol.                     |
| H229 | Pressurised container: May burst if heated.      |
| H319 | Causes serious eye irritation.                   |
| H411 | 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.                                   |
| P211               | Do not spray on an open flame or other ignition source.  |
| P251               | Do not pierce or burn, even after use.   |
| P264               | Wash hands thoroughly after handling.  |
| P273               | Avoid release to the environment.  |
| P280               | Wear protective gloves/eye protection.   |
| 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.  |
| P410 + P412        | Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.   |
| P501               | Dispose of contents/container to hazardous or special waste collection point.  |

**2.3. Other hazards**

Product has an anesthetic effect.

**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****Hazardous ingredients**

| CAS No  | EC No     | Name    | [% weight] | Classification according to Regulation (EC) No 1272/2008 [CLP/GHS] |
|---------|-----------|---------|------------|--|
| 67-64-1 | 200-662-2 | acetone | 3 < 10     | Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336          |



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**Zinc-Spray**

**Hazardous ingredients (continued)**

| CAS No     | EC No     | Name  | [% weight] | Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]   |
|------------|-----------|---|------------|--|
| 71-36-3    | 200-751-6 | butan-1-ol  | 1 < 2      | Flam. Liq. 3, H226 / Acute Tox. 4, H302 / STOT SE 3, H335 / Skin Irrit. 2, H315 / Eye Dam. 1, H318 / STOT SE 3, H336                             |
| 100-41-4   | 202-849-4 | ethylbenzene  | < 5        | Flam. Liq. 2, H225 / Acute Tox. 4, H332 / STOT RE 2, H373 (hearing organs) / Asp. Tox. 1, H304   |
| 7429-90-5  | 231-072-3 | aluminium powder (stabilised)                                       | < 5        | Water-react. 2, H261 / Flam. Sol. 1, H228  |
| 7440-66-6  | 231-175-3 | zinc powder - zinc dust (stabilized)                                | 10 < 20    | Aquatic Acute 1, H400 / Aquatic Chronic 1, H410  |
| 115-10-6   | 204-065-8 | dimethylether   | 50 < 100   | Flam. Gas 1, H220 / Press. Gas   |
| 123-86-4   | 204-658-1 | n-butyl acetate   | < 10       | Flam. Liq. 3, H226 / STOT SE 3, H336   |
| 141-78-6   | 205-500-4 | ethyl-acetate   | 3 < 10     | Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336  |
| 68308-64-5 | 269-662-8 | Quaternary ammonium compounds, coco alkylethyldimethyl, Et sulfates | < 0,25     | Acute Tox. 4, H302 / Skin Corr. 1B, H314 / Aquatic Acute 1, H400   |
| 1330-20-7  | 215-535-7 | xylene  | 5 < 10     | Flam. Liq. 3, H226 / STOT RE 2, H373 / Asp. Tox. 1, H304 / Acute Tox. 4, H312, H332 / Skin Irrit. 2, H315 / Eye Irrit. 2, H319 / STOT SE 3, H335 |

**REACH**

| CAS No     | Name  | REACH registration number   |
|------------|---|-----------------------------|
| 67-64-1    | acetone   | 01-2119471330-49            |
| 71-36-3    | butan-1-ol  | 01-2119484630-38            |
| 100-41-4   | ethylbenzene  | 01-2119489370-35            |
| 7429-90-5  | aluminium powder (stabilised)                                       | 01-2119529243-45            |
| 7440-66-6  | zinc powder - zinc dust (stabilized)                                | 01-2119467174-37            |
| 115-10-6   | dimethylether   | 01-2119472128-37            |
| 123-86-4   | n-butyl acetate   | 01-2119485493-29            |
| 141-78-6   | ethyl-acetate   | 01-2119475103-46            |
| 68308-64-5 | Quaternary ammonium compounds, coco alkylethyldimethyl, Et sulfates | not subject to registration |
| 1330-20-7  | xylene  | 01-2119488216-32            |

**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**

Do not induce vomiting.

Medical treatment.



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**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.

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**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Alcohol-resistant foam

Carbon dioxide

Dry sand

**Unsuitable extinguishing media**

water

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

May lead to formation of explosive/easily ignitable vapour air mixtures.

Danger of bursting

**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.

Do not inhale explosion and/or combustion gases.

**Additional information**

Vapours are heavier than air and will spread on the ground.

Cool endangered containers with water spray jet.

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

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**! SECTION 6: Accidental release measures**

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

**For non-emergency personnel**

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

Use breathing apparatus if exposed to vapours/dust/aerosol.

Pay attention to extension of gas especially at ground (heavier than air) and in direction of the wind.

**6.2. Environmental precautions**

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

Do not discharge into surface waters/groundwater.

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.

**Additional Information**

Sort out leaky cans and dispose according to regulations.

**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**

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

Take measures against electrostatically charging.

**General protective measures**

Avoid contact with eyes and skin

Do not inhale gases/vapours/aerosols.

**Hygiene measures**

At work do not eat, drink, smoke or take drugs.

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.

Pressurized container.

Do not pierce or burn even after use.

Vapours can form an explosive mixture with air.

Avoid effect of heat.

Use explosion-proof equipment / fittings and non-sparking tools.

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

Keep in closed original container.

Adhere to administrative regulations relating to storage of compressed gas cylinders / containers.

**Further information on storage conditions**

Store at +5 till +25 °C.

Protect from direct solar radiation.

Storage temperature may not exceed 50°C (=122°F).

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    |
|-----------|-------------------------------------|------------|---------|-------|-----------|
| 67-64-1   | Acetone                             | 8 hours    | 1210    | 500   | EH40/2005 |
|           |                                     | Short-term | 3620    | 1500  |           |
| 71-36-3   | butan-1-ol                          | 8 hours    | 154     | 50    | EH40/2005 |
|           |                                     | Short-term |         |       |           |
| 115-10-6  | Dimethyl ether                      | 8 hours    | 766     | 400   | EH40/2005 |
|           |                                     | Short-term | 958     | 500   |           |
| 141-78-6  | Ethyl acetate                       | 8 hours    |         | 200   | EH40/2005 |
|           |                                     | Short-term |         | 400   |           |
| 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   |           |



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**Zinc-Spray****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   |        |
| 115-10-6 | dimethylether | 8 hours    | 1920    | 1000  |        |
| 67-64-1  | acetone       | 8 hours    | 1210    | 500   |        |

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

| CAS No    | Substance name                       | Value              | Code                                     | Remark |
|-----------|--------------------------------------|--------------------|--|--------|
| 100-41-4  | ethylbenzene                         | 77 mg/m3           | DNEL long-term inhalative (systemic)     |        |
| 115-10-6  | dimethylether                        | 1894 mg/m3         | DNEL long-term inhalative (systemic)     |        |
| 123-86-4  | n-butyl acetate                      | 960 mg/m3          | DNEL acute inhalative (systemic)         |        |
|           |                                      | 480 mg/m3          | DNEL long-term inhalative (systemic)     |        |
|           |                                      | 11 mg/kg           | DNEL long-term dermal (systemic)         |        |
|           |                                      | 2 mg/kg            | DNEL short-term oral (acute)             |        |
|           |                                      | 11 mg/kg           | DNEL acute dermal, short-term (systemic) |        |
|           |                                      | 300 mg/m3          | DNEL long-term inhalative (local)        |        |
|           |                                      | 600 mg/m3          | DNEL acute inhalative (local)            |        |
| 1330-20-7 | xylene                               | 77 mg/m3           | DNEL long-term inhalative (systemic)     |        |
|           |                                      | 289 mg/m3          | DNEL acute inhalative (systemic)         |        |
|           |                                      | 180 mg/kg          | DNEL long-term dermal (systemic)         |        |
|           |                                      | 289 mg/m3          | DNEL acute inhalative (local)            |        |
|           |                                      | 289 mg/m3          | DNEL acute inhalative (local)            |        |
| 141-78-6  | ethyl-acetate                        | 1468 mg/m3         | DNEL acute inhalative (systemic)         |        |
|           |                                      | 734 mg/m3          | DNEL long-term inhalative (local)        |        |
|           |                                      | 63 mg/kg           | DNEL long-term dermal (systemic)         |        |
|           |                                      | 1468 mg/m3         | DNEL acute inhalative (local)            |        |
| 67-64-1   | acetone                              | 1210 mg/m3         | DNEL long-term inhalative (systemic)     |        |
|           |                                      | 2420 mg/m3         | DNEL acute inhalative (local)            |        |
|           |                                      | 186 mg/kg          | DNEL long-term dermal (systemic)         |        |
| 71-36-3   | butan-1-ol                           | 3,125 mg/kg bw/day | DNEL long-term oral (repeated)           |        |
|           |                                      | 55 mg/m3           | DNEL long-term inhalative (local)        |        |
|           |                                      | 310 mg/m3          | DNEL long-term inhalative (local)        |        |
| 7429-90-5 | aluminium powder (stabilised)        | 3,72 mg/m3         | DNEL long-term inhalative (local)        |        |
| 7440-66-6 | zinc powder - zinc dust (stabilized) | 5 mg/m3            | DNEL long-term inhalative (systemic)     |        |
|           |                                      | 83 mg/kg           | DNEL long-term dermal (systemic)         |        |



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**Zinc-Spray****PNEC**

| CAS No    | Substance name                       | Value        | Code                        | Remark |
|-----------|--------------------------------------|--------------|-----------------------------|--------|
| 123-86-4  | n-butyl acetate                      | 0,18 mg/l    | PNEC aquatic, freshwater    |        |
|           |                                      | 0,981 mg/kg  | PNEC sediment, freshwater   |        |
|           |                                      | 0,018 mg/l   | PNEC aquatic, marine water  |        |
| 1330-20-7 | xylene                               | 0,327 mg/l   | PNEC aquatic, marine water  |        |
|           |                                      | 12,46 mg/kg  | PNEC sediment, freshwater   |        |
|           |                                      | 0,327 mg/l   | PNEC aquatic, freshwater    |        |
|           |                                      | 2,31 mg/kg   | PNEC sediment, freshwater   |        |
|           |                                      | 12,46 mg/kg  | PNEC sediment, marine water |        |
| 141-78-6  | ethyl-acetate                        | 0,024 mg/l   | PNEC aquatic, marine water  |        |
|           |                                      | 0,34 mg/kg   | PNEC sediment, freshwater   |        |
|           |                                      | 0,115 mg/kg  | PNEC sediment, marine water |        |
|           |                                      | 0,24 mg/l    | PNEC aquatic, freshwater    |        |
| 67-64-1   | acetone                              | 3,04 mg/kg   | PNEC sediment, marine water |        |
|           |                                      | 1,06 mg/l    | PNEC aquatic, marine water  |        |
|           |                                      | 30,4 mg/kg   | PNEC sediment, freshwater   |        |
|           |                                      | 10,6 mg/l    | PNEC aquatic, freshwater    |        |
| 71-36-3   | butan-1-ol                           | 0,0082 mg/l  | PNEC aquatic, marine water  |        |
|           |                                      | 0,082 mg/l   | PNEC aquatic, freshwater    |        |
|           |                                      | 0,178 mg/kg  | PNEC sediment, freshwater   |        |
|           |                                      | 0,0178 mg/kg | PNEC sediment, marine water |        |
| 7440-66-6 | zinc powder - zinc dust (stabilized) | 56,5 mg/kg   | PNEC sediment, marine water |        |
|           |                                      | 0,0206 mg/l  | PNEC aquatic, freshwater    |        |
|           |                                      | 117,8 mg/kg  | PNEC sediment, freshwater   |        |
|           |                                      | 0,0061 mg/l  | PNEC aquatic, 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.

Short-term: filter apparatus, filter AX, otherwise environment-independent breathing apparatus.

**Hand protection**

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

Chemical protective gloves must be chosen carefully in view of their design and depending on the dependence on the concentration and amounts of dangerous goods used in the specific working tasks.

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

**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**

aerosol

**Colour**

silver-grey

**Odour**

solvent-like

**Odour threshold**

not determined

**Important health, safety and environmental information**

|  | Value          | Temperature | at | Method | Remark                  |
|--|----------------|-------------|----|--------|-------------------------|
| <b>pH value</b>  | not determined |             |    |        |                         |
| <b>boiling point</b>                                     | -24 °C         |             |    |        |                         |
| <b>melting point</b>                                     | not determined |             |    |        |                         |
| <b>Flash point</b>                                       | not applicable |             |    |        | Aerosol                 |
| <b>Vapourisation rate</b>                                | not determined |             |    |        |                         |
| <b>Flammable (solid)</b>                                 | not applicable |             |    |        |                         |
| <b>Flammability (gas)</b>                                | not determined |             |    |        |                         |
| <b>Ignition temperature</b>                              | > 200 °C       |             |    |        | estimate                |
| <b>Self ignition temperature</b>                         | not determined |             |    |        |                         |
| <b>Lower explosion limit</b>                             | not determined |             |    |        |                         |
| <b>Upper explosion limit</b>                             | not determined |             |    |        |                         |
| <b>Vapour pressure</b>                                   | not determined |             |    |        |                         |
| <b>Relative density</b>                                  | not determined |             |    |        |                         |
| <b>Vapour density</b>                                    | not determined |             |    |        |                         |
| <b>Solubility in water</b>                               |                |             |    |        | No or low immiscibility |
| <b>Solubility/other</b>                                  | not determined |             |    |        |                         |
| <b>Partition coefficient n-octanol/water (log P O/W)</b> | not determined |             |    |        |                         |
| <b>Decomposition temperature</b>                         | not determined |             |    |        |                         |
| <b>Viscosity dynamic</b>                                 | not determined |             |    |        |                         |
| <b>Viscosity kinematic</b>                               | not determined |             |    |        |                         |



**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**

No information available.

**10.4. Conditions to avoid**

Keep away from heat.

Formation of explosive gas/air mixtures.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

Carbon monoxide and carbon dioxide.

**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 |
|------------------------------|------------------|---------|-----------|--------|
| <b>LD50 acute oral</b>       | > 5000 mg/kg     |         |           | ATE    |
| <b>LD50 acute dermal</b>     | > 5000 mg/kg     |         |           | ATE    |
| <b>LC50 acute inhalation</b> | > 5 mg/l ( )     |         | dust/mist | ATE    |
| <b>Skin irritation</b>       | irritant         |         |           |        |
| <b>Eye irritation</b>        | irritant         |         |           |        |
| <b>Skin sensitization</b>    | non-sensitizing  |         |           |        |

**Subacute Toxicity - Carcinogenicity**

**Zinc-Spray**

| Value  | Species | Method | Validation  |
|--|---------|--------|---|
| <b>Mutagenicity</b>  |         |        | No experimental information on genotoxicity in vitro available.                   |
| <b>Reproduction-Toxicity</b>   |         |        | No indications of toxic effects were observed in reproduction studies in animals. |
| <b>Carcinogenicity</b>   |         |        | No indications of carcinogenic effects are available from long-term trials.       |
| <b>Experiences made from practice</b><br>Often and long skin contact may cause degreasing and desiccation of the skin which may cause skin irritation.<br>May irritate the mucosae.<br>Irritates eyes and skin.<br>Inhalation causes narcotic effect/intoxication.         |         |        |   |
| <b>! Additional information</b><br>The product is to be handled with the caution usual with chemicals.<br>Other hazardous properties may not be excluded.<br>The product has not been tested. The information is derived from the properties of the individual components. |         |        |   |

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

No information available.

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

**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****General regulation**

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.

The ecotoxic effect of the product has not been tested. The information on this is given on the basis of details in the literature.

**! 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.

Dispose of as hazardous waste.

**Zinc-Spray****Recommendations for packaging**

Dispose of according to the local waste regulations.

**! General information**

For proper waste disposal a complete emptying of the tin is necessary.

Assignment to a waste code number / waste identification according to the EWC is to be carried out on a sector or process-specific basis.

**SECTION 14: Transport information**

|   | <b>ADR/RID</b> | <b>IMDG</b>            | <b>IATA-DGR</b>     |
|---|----------------|------------------------|---------------------|
| <b>14.1. UN number</b>                  | 1950           | 1950                   | 1950                |
| <b>14.2. UN proper shipping name</b>    | AEROSOLS       | AEROSOLS (ZINC POWDER) | Aerosols, flammable |
| <b>14.3. Transport hazard class(es)</b> | 2.1            | 2.1                    | 2.1                 |
| <b>14.4. Packing group</b>              | -              | -                      | -                   |
| <b>14.5. Environmental hazards</b>      | 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) 2.1

tunnel restriction code D

Classification code 5F

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 76,8 %

VOC value 660 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.



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

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**Zinc-Spray**

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

|                 |  |
|-----------------|--|
| H220            | Extremely flammable gas.   |
| H225            | Highly flammable liquid and vapour.  |
| H226            | Flammable liquid and vapour.   |
| H228            | Flammable solid.   |
| H261            | In contact with water releases flammable gases.  |
| H302            | Harmful if swallowed.  |
| H304            | May be fatal if swallowed and enters airways.  |
| H312,           | -?-  |
| <del>H332</del> | Causes severe skin burns and eye damage.   |
| H315            | Causes skin irritation.  |
| 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 (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.  |