

**Aluminium-Spray A-100****! SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Name of product** Aluminium-Spray A-100  
Code-Nr. 110500

**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  
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       |  |
| STOT SE 3         | H336       |  |
| Aquatic Chronic 3 | H412       |  |

**Hazard Statements**

|      |   |
|------|---|
| H222 | Extremely flammable aerosol.                |
| H229 | Pressurised container: May burst if heated. |
| H319 | Causes serious eye irritation.              |
| H336 | May cause drowsiness or dizziness.          |

H412 Harmful to aquatic life with long lasting effects.

## 2.2. Label elements

### Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]



GHS02



GHS07

### Signal word

Danger

### Hazard Statements

H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H412 Harmful 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.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash hands thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P337 + P313 If eye irritation persists: Get medical advice/attention.  
P403 + P235 Store in a well-ventilated place. Keep cool.  
P405 Store locked up.  
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.

### Hazardous ingredients for labeling

ethyl-acetate

### Supplemental Hazard information (EU)

Repeated exposure may cause skin dryness or cracking.

## 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.

**Aluminium-Spray A-100****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**

Aluminium spray based on synthetic resin binder, solvent and pigments.

**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   | 10 < 15    | Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336   |
| 106-97-8   | 203-448-7 | butane  | 10 < 20    | 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                                     | 15 < 20    | Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336   |
| 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                              |
| 64742-95-6 | 265-199-0 | Solvent naphtha (petroleum), light arom. (NOTA P) | 2,5 < 10   | Flam. Liq. 3, H226 / Asp. Tox. 1, H304 / STOT SE 3, H335 / Aquatic Chronic 2, H411 / STOT SE 3, H336 / , EUH066 |
| 74-98-6    | 200-827-9 | propane   | 10 < 20    | Flam. Gas 1, H220 / Press. Gas  |
| 7429-90-5  | 231-072-3 | Aluminium   | < 10       | Flam. Sol. 1, H228  |
| 64742-48-9 | 265-150-3 | Naphtha (petroleum), hydrotreated heavy           | 1 < 10     | Asp. Tox. 1, H304   |

**REACH**

| CAS No    | Name      | REACH registration number |
|-----------|-----------|---------------------------|
| 74-98-6   | propane   | 01-2119486944-21          |
| 7429-90-5 | Aluminium | 01-2119529243-45          |

**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.

Refer to medical treatment.



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

**Physician's information / possible symptoms**

Unconsciousness  
vomiting  
Respiratory complaints  
Headache  
Confusion  
skin irritation

**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  
Dry powder  
Carbon dioxide  
sand

**Unsuitable extinguishing media**

water

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

Danger of bursting  
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**

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.

**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**

Keep at a distance of water, take up dry, wear breathing apparatus and personal protective clothing.  
Take up with absorbent material.  
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**

Ventilate closed rooms at ground level.

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, 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.

Take precautionary measures against static discharges.

Avoid effect of heat.

**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 heat and 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  |           |
| 7429-90-5 | Aluminium metal: inhalable dust  | 8 hours    | 10      |       | EH40/2005 |
| 7429-90-5 | Aluminium metal: respirable dust | 8 hours    | 4       |       | EH40/2005 |
| 106-97-8  | Butane                           | 8 hours    | 1450    | 600   | EH40/2005 |
|           |                                  | Short-term | 1810    | 750   |           |



## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 02.09.2016

revision 03.08.2016 (GB) Version 8.6

**Aluminium-Spray A-100****Ingredients with occupational exposure limits to be monitored (continued)**

| CAS No    | Name                                | Code       | [mg/m3] | [ppm] | Remark    |
|-----------|-------------------------------------|------------|---------|-------|-----------|
| 141-78-6  | Ethyl acetate                       | 8 hours    |         | 200   | EH40/2005 |
|           |                                     | Short-term |         | 400   |           |
| 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 |
|-----------|-----------------------------|------------|---------|-------|--------|
| 1330-20-7 | xylene, mixed isomers, pure | 8 hours    | 221     | 50    | skin   |
|           |                             | Short-term | 442     | 100   |        |
| 67-64-1   | acetone                     | 8 hours    | 1210    | 500   |        |

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

| CAS No     | Substance name                                    | Value      | Code                                 | Remark |
|------------|---|------------|--------------------------------------|--------|
| 123-86-4   | n-butyl acetate                                   | 480 mg/m3  | DNEL long-term inhalative (systemic) |        |
|            |   | 480 mg/m3  | DNEL long-term inhalative (local)    |        |
|            |   | 960 mg/m3  | DNEL acute inhalative (systemic)     |        |
|            |   | 960 mg/m3  | DNEL acute inhalative (local)        |        |
| 141-78-6   | ethyl-acetate                                     | 1468 mg/m3 | DNEL acute inhalative (local)        |        |
|            |   | 63 mg/kg   | DNEL long-term dermal (systemic)     |        |
|            |   | 734 mg/m3  | DNEL long-term inhalative (local)    |        |
|            |   | 1468 mg/m3 | DNEL acute inhalative (systemic)     |        |
| 64742-95-6 | Solvent naphtha (petroleum), light arom. (NOTA P) | 150 mg/m3  | DNEL long-term inhalative (systemic) |        |
|            |   | 25 mg/kg   | DNEL long-term dermal (systemic)     |        |
| 67-64-1    | acetone   | 1210 mg/m3 | DNEL long-term inhalative (systemic) |        |
|            |   | 186 mg/kg  | DNEL long-term dermal (systemic)     |        |
|            |   | 2420 mg/m3 | DNEL acute inhalative (local)        |        |

**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) |        |

**PNEC**

| CAS No   | Substance name  | Value       | Code                        | Remark |
|----------|-----------------|-------------|-----------------------------|--------|
| 123-86-4 | n-butyl acetate | 0,981 mg/kg | PNEC sediment, freshwater   |        |
|          |                 | 0,18 mg/l   | PNEC aquatic, freshwater    |        |
|          |                 | 0,018 mg/l  | PNEC aquatic, marine water  |        |
| 141-78-6 | ethyl-acetate   | 0,24 mg/l   | PNEC aquatic, freshwater    |        |
|          |                 | 0,024 mg/l  | PNEC aquatic, marine water  |        |
|          |                 | 0,115 mg/kg | PNEC sediment, marine water |        |
|          |                 | 1,15 mg/kg  | PNEC sediment, freshwater   |        |
| 67-64-1  | acetone         | 3,04 mg/kg  | PNEC sediment, marine water |        |



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**Aluminium-Spray A-100****DNEL-/PNEC-values (continued)**

| CAS No | Substance name | Value      | Code                       | Remark |
|--------|----------------|------------|----------------------------|--------|
|        |                | 1,06 mg/l  | PNEC aquatic, marine water |        |
|        |                | 30,4 mg/kg | PNEC sediment, freshwater  |        |
|        |                | 10,6 mg/l  | PNEC aquatic, freshwater   |        |

**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.

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**

characteristic

**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>                  | not applicable |             |    |        |         |
| <b>Melting point / Freezing 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 |             |    |        |         |

**Aluminium-Spray A-100**

|  | Value          | Temperature | at | Method | Remark                            |
|--|----------------|-------------|----|--------|-----------------------------------|
| <b>Ignition temperature</b>                              | > 200 °C       |             |    |        | estimate                          |
| <b>Self ignition temperature</b>                         |                |             |    |        | The product is not self-igniting. |
| <b>Lower explosion limit</b>                             | not determined |             |    |        |                                   |
| <b>Upper explosion limit</b>                             | not determined |             |    |        |                                   |
| <b>Vapour pressure</b>                                   | not determined | 20 °C       |    |        |                                   |
| <b>Relative density</b>                                  | not determined |             |    |        |                                   |
| <b>Vapour density</b>                                    | not determined |             |    |        |                                   |
| <b>Solubility in water</b>                               | not determined |             |    |        |                                   |
| <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</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**





### 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 dermal</b>     | 1100 mg/kg        |         | Conversion value | Xylene    |
| <b>LC50 acute inhalation</b> | > 5 mg/l (4 h)    | rat     |                  | Aluminium |
| <b>Skin irritation</b>       | irritant          |         |                  |           |
| <b>Eye irritation</b>        | irritant          |         |                  |           |
| <b>Skin sensitization</b>    | No data available |         |                  |           |

#### Experiences made from practice

Often and long skin contact may cause degreasing and desiccation of the skin which may cause skin irritation.  
Vapours may cause dizziness, headaches and tiredness  
May cause vomiting.  
Product may cause irreversible eye injuries.

#### 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

#### General regulation

Harmful 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.**

16 05 04\*

**Name of waste**

gases in pressure containers (including halons) containing 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.

### 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

|                                  | ADR/RID  | IMDG     | IATA-DGR            |
|----------------------------------|----------|----------|---------------------|
| 14.1. UN number                  | 1950     | 1950     | 1950                |
| 14.2. UN proper shipping name    | AEROSOLS | AEROSOLS | Aerosols, flammable |
| 14.3. Transport hazard class(es) | 2.1      | 2.1      | 2.1                 |
| 14.4. Packing group              | -        | -        | -                   |
| 14.5. Environmental hazards      | No       | No       | No                  |

### 14.6. Special precautions for user

Caution: Gases

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

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 86,4 %

VOC value 648 g/L

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**15.2. Chemical Safety Assessment**

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

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**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. |
| H220   | Extremely flammable gas.                              |
| H225   | Highly flammable liquid and vapour.                   |
| H226   | Flammable liquid and vapour.                          |
| H228   | Flammable solid.                                      |
| H304   | May be fatal if swallowed and enters airways.         |
| H312   | Harmful in contact with skin.                         |
| H315   | Causes skin irritation.                               |
| H319   | Causes serious eye irritation.                        |
| H332   | Harmful if inhaled.                                   |
| H335   | May cause respiratory irritation.                     |
| H336   | May cause drowsiness or dizziness.                    |
| H411   | Toxic to aquatic life with long lasting effects.      |