



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

### 1.1. Product identifier

#### Name of product

Stainless Steel Care Spray  
Code-Nr. 115900

### 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  
Postbox 48045, DE-8460 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

GIZ Bonn (German, English) Tel: ++49(0)228-19 240  
TRANSPORT: Consultank Lutz Harder GmbH Tel: +49(0)178  
433 7434 (24h Emergency Contact)

#### Manufacturer

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

### 1.4. Emergency telephone number

#### Emergency advice

-  
Phone -  
GIZ Bonn (Medizinische Auskunft in Deutsch und Englisch)  
Tel: ++49(0)228-19 240  
TRANSPORT: Consultank Lutz Harder GmbH Tel: +49(0)178  
433 7434 (24h Emergency Contact)

## 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 |  |
| Skin Irrit. 2     | H315       |  |
| STOT SE 3         | H336       |  |
| Aquatic Chronic 2 | H411       |  |

#### Hazard Statements

|      |                              |
|------|------------------------------|
| H222 | Extremely flammable aerosol. |
|------|------------------------------|

|      |  |
|------|--|
| H229 | Pressurised container: May burst if heated.      |
| H315 | Causes skin irritation.                          |
| H336 | May cause drowsiness or dizziness.               |
| 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.      |
| H315 | Causes skin irritation.                          |
| H336 | May cause drowsiness or dizziness.               |
| 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.   |
| 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.                     |
| P302 + P352 | IF ON SKIN: Wash with plenty of soap and water.  |
| P304 + P340 | IF INHALED: Remove person to fresh air and keep comfortable for breathing.                     |
| P312        | Call a POISON CENTER or doctor/physician if you feel unwell.                                   |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention.                                       |
| P362        | Take off contaminated clothing.  |
| 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.                  |

### Special rules for supplemental label elements for certain mixtures

Contains (R)-(+)-Limonene . May produce an allergic reaction.

## 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****Description**

Mixture of oils, solvents and propellant.

**Hazardous ingredients**

| CAS No     | EC No     | Name                                    | [% weight] | Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]  |
|------------|-----------|---|------------|---|
| 64-17-5    | 200-578-6 | ethanol                                 | 10 - 24,99 | Flam. Liq. 2, H225  |
| 106-97-8   | 203-448-7 | butane                                  | 10 - 24,99 | Flam. Gas 1, H220 / Press. Gas  |
| 111-76-2   | 203-905-0 | 2-butoxyethanol                         | 10 - 19,99 | Acute Tox. 4, H332 / Acute Tox. 4, H312 / Acute Tox. 4, H302 / Eye Irrit. 2, H319 / Skin Irrit. 2, H315         |
| 5989-27-5  | 227-813-5 | (R)-p-mentha-1,8-diene                  | 0,3 - 0,99 | Flam. Liq. 3, H226 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410 |
| 64742-48-9 | 919-857-5 | Naphtha (petroleum), hydrotreated heavy | 10 - 24,99 | Flam. Liq. 3, H226 / Asp. Tox. 1, H304 / STOT SE 3, H335 / , EUH066   |
| 74-98-6    | 200-827-9 | propane                                 | 10 - 24,99 | Flam. Gas 1, H220 / Press. Gas  |
|            |           | Mineral Oil                             | 3 - 9,99   | Asp. Tox. 1, H304   |
| 64742-49-0 | 921-024-6 | Naphtha (petroleum), hydrotreated light | 10 - 19,99 | Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / Aquatic Chronic 2, H411 / Skin Irrit. 2, H315 / STOT SE 3, H336        |

**REACH**

| CAS No     | Name                                    | REACH registration number |
|------------|---|---------------------------|
| 5989-27-5  | (R)-p-mentha-1,8-diene                  | 01-2119529223-47          |
| 64742-48-9 | Naphtha (petroleum), hydrotreated heavy | 01-2119463258--33-xxxx    |
| 64742-49-0 | Naphtha (petroleum), hydrotreated light | 01-2119475514-35          |

**Labelling for contents according to regulation (EC) No 648/2004, annex VII**

less than 5 % scents

30 % and more aliphatic hydrocarbons

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.

**In case of inhalation**

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off with 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.



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**In case of ingestion**

Do not induce vomiting.  
Medical treatment.

**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  
Dry powder  
Carbon dioxide  
water mist

**Unsuitable extinguishing media**

Full water jet

**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**

Cool endangered containers with water spray jet.  
Collect contaminated firefighting water separately, must not be discharged into the drains.

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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**

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

Do not spray into flames or any incandescent material.

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.

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

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    |
|----------|-----------------|------------|---------|-------|-----------|
| 106-97-8 | Butane          | 8 hours    | 1450    | 600   | EH40/2005 |
|          |                 | Short-term | 1810    | 750   |           |
| 111-76-2 | 2-butoxyethanol | 8 hours    |         | 25    | EH40/2005 |
|          |                 | Short-term |         | 50    |           |
| 64-17-5  | ethanol         | 8 hours    | 1920    | 1000  | EH40/2005 |

#### 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 |
|----------|-----------------|------------|---------|-------|--------|
| 111-76-2 | 2-butoxyethanol | 8 hours    | 98      | 20    | skin   |
|          |                 | Short-term | 246     | 50    |        |

#### Additional advice

The statutory local and national regulations have to be observed.

**Stainless Steel Care Spray****8.2. Exposure controls****Respiratory protection**

If ventilation insufficient, wear respiratory protection.

Short-term: filter apparatus, filter AX/P2, otherwise environment-independent breathing apparatus.

**! Hand protection**

Gloves (solvent-resistant)

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

Glove material specification: Nitrile rubber

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.

**Eye protection**

tightly fitting goggles

**Other protection measures**

protective clothing

**Appropriate engineering controls**

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

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Appearance**

aerosol

**Colour**

colourless, clear

**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>                  | not applicable |             |    |        |                                   |
| <b>Melting point / Freezing point</b> | not determined |             |    |        |                                   |
| <b>Flash point</b>                    | not applicable |             |    |        | Aerosol                           |
| <b>Vapourisation rate</b>             | not applicable |             |    |        |                                   |
| <b>Flammable (solid)</b>              | not applicable |             |    |        |                                   |
| <b>Flammability (gas)</b>             | not applicable |             |    |        |                                   |
| <b>Ignition temperature</b>           | 200 °C         |             |    |        |                                   |
| <b>Self ignition temperature</b>      |                |             |    |        | The product is not self-igniting. |
| <b>Lower explosion limit</b>          | 0,6 Vol-%      |             |    |        |                                   |
| <b>Upper explosion limit</b>          | 15 Vol-%       |             |    |        |                                   |



## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

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**Stainless Steel Care Spray**

|  | Value          | Temperature | at | Method | Remark                  |
|--|----------------|-------------|----|--------|-------------------------|
| <b>Vapour pressure</b>                                   | 8300 hPa       | 20 °C       |    |        |                         |
| <b>Relative density</b>                                  | 0,693 g/ml     | 20 °C       |    |        |                         |
| <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</b>   | not determined |             |    |        |                         |
| <b>Solvent content</b>                                   | 95,2 %         |             |    |        |                         |

**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>       | 470 mg/kg        | rat     |        | 2-Butoxyethanol |
| <b>LD50 acute dermal</b>     | 2000 mg/kg       | rabbit  |        | 2-Butoxyethanol |
| <b>LC50 acute inhalation</b> | > 25 mg/l (4 h)  | rat     |        | Naphtha         |
| <b>Skin irritation</b>       | irritant         |         |        |                 |
| <b>Eye irritation</b>        | non-irritant     |         |        |                 |
| <b>Skin sensitization</b>    | non-sensitizing  |         |        |                 |

#### Experiences made from practice

Vapours may cause dizziness, headaches and tiredness  
Irritates mucous membranes.

#### 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

#### Ecotoxicological effects

|                | Value                         | Species                         | Method | Validation      |
|----------------|-------------------------------|---------------------------------|--------|-----------------|
| <b>Fish</b>    | LC50 1490 mg/l (96 h)         | Lepomis macrochirus             |        | 2-Butoxyethanol |
| <b>Daphnia</b> | LL/EL/IL50 3 mg/l (48 h)      | Daphnia magna                   |        | Naphtha         |
| <b>Algae</b>   | LL/EL/IL50 > 1000 mg/l (72 h) | Pseudokirchneriella subcapitata |        | Naphtha         |

### 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

Toxic to aquatic life, fishes and plankton.

Even in the event of low quantities penetration into the underground drinking water is contaminated.

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.





## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**Waste code No.**

07 01 04\*

20 01 99

**Name of waste**

other organic solvents, washing liquids and mother liquors

other fractions not otherwise specified

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.

## SECTION 14: Transport information

|   | ADR/RID  | IMDG     | IATA-DGR            |
|---|----------|----------|---------------------|
| <b>14.1. UN number</b>                  | 1950     | 1950     | 1950                |
| <b>14.2. UN proper shipping name</b>    | AEROSOLS | AEROSOLS | 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>      | 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

**Transport/further information**

24h EMERGENCY CONTACT (TRANSPORT) +49(0)178 433 7434 (Consultank Lutz Harder GmbH)

## ! SECTION 15: Regulatory information

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

95,16 %

**VOC value**

659,5 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: 8.3

|        |   |
|--------|---|
| EUH066 | Repeated exposure may cause skin dryness or cracking. |
| H220   | Extremely flammable gas.                              |
| H225   | Highly flammable liquid and vapour.                   |
| H226   | Flammable liquid and vapour.                          |
| H302   | Harmful if swallowed.                                 |
| H304   | May be fatal if swallowed and enters airways.         |
| H312   | Harmful in contact with skin.                         |
| H315   | Causes skin irritation.                               |
| H317   | May cause an allergic skin reaction.                  |
| H319   | Causes serious eye irritation.                        |
| H332   | Harmful if inhaled.                                   |
| 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.      |