



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

Printed 08.01.2016
revision 23.05.2014 (GB) Version 8.4

Cleaner Spray S

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

1.1. Product identifier

Name of product

Cleaner Spray S
Code-Nr. 112025

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 | |
| Eye Irrit. 2 | H319 | |
| STOT SE 3 | H336 | |

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

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

| | | |
|-------------------|------|--|
| Aquatic Chronic 2 | H411 | |
|-------------------|------|--|

Hazard Statements

| | |
|------|--|
| H222 | Extremely flammable aerosol. |
| H229 | Pressurised container: May burst if heated. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye 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. |
| H319 | Causes serious eye 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. |
| 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. |
| P332 + P313 | If skin irritation occurs: Get medical advice/attention. |
| P337 + P313 | If eye irritation persists: 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. |



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P501

Dispose of contents/container to hazardous or special waste collection point.

Hazardous ingredients for labeling

acetone, Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics, propan-2-ol

Special rules for supplemental label elements for certain mixtures

Contains (R)-p-Mentha-1,8-dien. May produce an allergic reaction.

2.3. Other hazards

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

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

Preparation of different active substances

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 | 2,5 - 10 | Flam. Liq. 2, H225 |
| 67-63-0 | 200-661-7 | propan-2-ol | 2,5 - 10 | Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336 |
| 67-64-1 | 200-662-2 | acetone | 10 - 19,99 | Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336 |
| 75-28-5 | 200-857-2 | isobutane | 2,5 - 10 | Flam. Gas 1, H220 / Press. Gas |
| 5989-27-5 | 227-813-5 | (R)-p-mentha-1,8-diene | 0,1 - 0,99 | Flam. Liq. 3, H226 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410 |
| 124-38-9 | 204-696-9 | carbon dioxide | 2,5 - 10 | |
| 74-98-6 | 200-827-9 | propane | 2,5 - 10 | Flam. Gas 1, H220 / Press. Gas |
| 64742-49-0 | 927-510-4 | Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 25 - 50 | Flam. Liq. 2, H225 / Asp. Tox. 1, H304 / Aquatic Chronic 2, H411 / Skin Irrit. 2, H315 / STOT SE 3, H336 |
| 64742-49-0 | 921-024-6 | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | 25 - 50 | 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 |
|------------|---|---------------------------|
| 67-63-0 | propan-2-ol | 01-2119457558-25 |
| 64742-49-0 | Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics | 01-2119475515-33 |
| 64742-49-0 | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | 01-2119475514-35-xxxx |

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

less than 5 % scents (D-LIMONENE)

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 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.

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

Foam

Dry powder

Carbon dioxide

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

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

Danger of bursting

In case of fire formation of dangerous gases possible.

Carbon monoxide (CO)

Carbon dioxide (CO₂)

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.



! 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/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).
Disposal 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.

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

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

Further information on storage conditions

Protect from heat and direct solar radiation.
Keep container in a well-ventilated place
Storage temperature may not exceed 50°C (=122°F).
Keep in a cool place.
Recommended storage temperature: room temperature.

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 | |
| 106-97-8 | Butane | 8 hours | 1450 | 600 | EH40/2005 |
| | | Short-term | 1810 | 750 | |
| 124-38-9 | Carbon dioxide | 8 hours | 9150 | 5000 | EH40/2005 |
| | | Short-term | 27400 | 15000 | |
| 64-17-5 | ethanol | 8 hours | 1920 | 1000 | EH40/2005 |
| 67-63-0 | propan-2-ol | 8 hours | 999 | 400 | EH40/2005 |
| | | Short-term | 1250 | 500 | |

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 |
|----------|----------------|---------|---------|-------|--------|
| 124-38-9 | carbon dioxide | 8 hours | 9000 | 5000 | |
| 67-64-1 | acetone | 8 hours | 1210 | 500 | |

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

Hand protection

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

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

characteristic

Odour threshold

not determined

Important health, safety and environmental information

| | Value | Temperature | at | Method | Remark |
|----------|----------------|-------------|----|--------|--------|
| pH value | not determined | | | | |



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| | Value | Temperature | at | Method | Remark |
|--|---|-------------|----|--------|-------------------------|
| boiling point | not applicable | | | | |
| Melting point / Freezing point | not determined | | | | |
| Flash point | not applicable | | | | Aerosol |
| Vapourisation rate | not applicable | | | | |
| Flammable (solid) | not determined | | | | |
| Flammability (gas) | not determined | | | | |
| Ignition temperature | > 200 °C | | | | |
| Self ignition temperature | not determined | | | | |
| Lower explosion limit | not determined | | | | |
| Upper explosion limit | not determined | | | | |
| Vapour pressure | not determined | | | | |
| Relative density | 0,699 g/cm3 | 20 °C | | | |
| Vapour density | not determined | | | | |
| Solubility in water | | | | | No or low immiscibility |
| Solubility/other | not determined | | | | |
| Partition coefficient n-octanol/water (log P O/W) | not determined | | | | |
| Decomposition temperature | not determined | | | | |
| Viscosity dynamic | not applicable | | | | |
| Viscosity kinematic | not applicable | | | | |
| Solvent content | 97,4 % | | | | |
| 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 hazardous reactions known.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

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 |
|---|------------------|---------|--------|---|
| LD50 acute oral | > 5840 mg/kg | rat | | Information concerns to main component. |
| LD50 acute dermal | > 2920 mg/kg | rat | | Informations concern to main component. |
| LC50 acute inhalation | 20 mg/l (4 h) | rat | | Propane |
| Skin irritation | irritant | | | |
| Eye irritation | irritant | | | |
| Skin sensitization | no | | | |
| Sensitization respiratory system | no | | | |

Experiences made from practice

Irritates mucous membranes.

Irritates eyes and skin.

Inhalation causes narcotic effect/intoxication.

! 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 |
|----------------|--------------------|--------|-----------------|
| Daphnia | EC50 3 mg/l (48 h) | | CAS: 64742-49-0 |

12.2. Persistence and degradability

| Elimination rate | Method of analysis | Method | Validation |
|------------------|--------------------|--------|------------|
|------------------|--------------------|--------|------------|

Biological degradability

The product is slightly degradable.

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 with long lasting effects.

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

Toxic to fishes.

Product is not allowed to be discharged into the ground water or aquatic environment.

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

Harmful to fishes and bacteria.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

15 01 04

16 05 04*

Name of waste

metallic packaging

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.

! SECTION 14: Transport information

| | ADR/RID | IMDG | IATA-DGR |
|------------------------|---------|------|----------|
| 14.1. UN number | 1950 | 1950 | 1950 |



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| | ADR/RID | IMDG | IATA-DGR |
|---|--|---|---|
| 14.2. UN proper shipping name | AEROSOLS (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics) | AEROSOLS (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics) | Aerosols, flammable (Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics) |
| 14.3. Transport hazard class(es) | 2.1 | 2.1 | 2.1 |
| 14.4. Packing group | - | - | - |
| 14.5. Environmental hazards | Yes | Yes | Yes |

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

MARINE POLLUTANT

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

VOC content 97,44 %

VOC value 681,4 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: 8.3

H220 Extremely flammable gas.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.



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|------|---|
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye 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. |