



## 1. Identification of the substance/mixture and of the company/undertaking

### Product identifier

**Name of product** Chrome Silver Spray (GB)  
Code-Nr. 111030

### Manufacturer/distributor

WEICON GmbH & Co. KG  
Königsberger Straße 255, DE-48157 Münster  
Postbox 84 60, DE-48045 Münster  
Phone ++49(0)251 / 9322 - 0, Fax ++49(0)251 / 9322-244  
E-Mail : info@weicon.de  
Internet : www.weicon.de

### Advice

Abteilung Angebote, Verkauf, Export  
Phone ++49(0)251 / 9322 - 0

### Emergency advice

Giftnotruf Bonn: Bei Vergiftungen (in case of poisoning)  
Phone ++49(0)228-19 240

### Recommended intended purpose(s)

Technical Aerosols

## 2. Hazards identification

### Classification according to 67/548/EEC or 1999/45/EC

F+; R12

Xi; R36

R52/53

R66

R67

### R-phrases

12	Extremely flammable.
36	Irritating to eyes.
52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
66	Repeated exposure may cause skin dryness or cracking.
67	Vapours may cause drowsiness and dizziness.

### Labelling according to 67/548/EEC or 1999/45/EC

#### Remarks for labelling

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

**F+** Extremely flammable

**Xi** Irritant

### R-phrases

12	Extremely flammable.
36	Irritating to eyes.
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**S-phrases**

23	Do not breathe spray.
29/56	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
51	Use only in well-ventilated areas.

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

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

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

Without sufficient ventilation the formation of explosive vapour/air mixtures cannot be excluded. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

**Information pertaining to special dangers for human and environment**

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

**3. Composition/information on ingredients****Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
67-64-1	200-662-2	acetone	10 - 25	F R11; Xi R36; R66; R67
78-93-3	201-159-0	butanone	2,5 - 10	F R11; Xi R36; R66; R67
106-97-8	203-448-7	butane	10 - 25	F+ R12
7429-90-5	231-072-3	aluminium powder (stabilised)	<= 2,5	F R11-15
123-86-4	204-658-1	n-butyl acetate	2,5 - 10	R10; R66; R67
1330-20-7	215-535-7	xylene	2,5 - 10	R10; Xn R20/21; Xi R38
64742-95-6	265-199-0	Solvent naphtha (petroleum), light arom.	2,5 - 10	R10; Xn R65; Xi R37; N R51/53; R66; R67
74-98-6	200-827-9	propane	10 - 25	F+ R12

**4. 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.

**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.

**5. Firefighting measures****Suitable extinguishing media**

Dry powder

Carbon dioxide

sand

**Extinguishing media which must not be used for safety reasons**

water

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

Danger of bursting



Fire gas of organic material has to be classed invariably as respiratory poison.

**Special protective equipment for fire-fighters**

Use breathing apparatus with independent air supply.

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.

**6. Accidental release measures**

**Personal precautions**

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

**Environmental precautions**

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

**Methods for cleaning up**

Take up with absorbent material.

After taking up the material dispose according to regulation.

**7. Handling and storage**

**Advice on safe handling**

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

**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.

The product is combustible.

Vapours can form an explosive mixture with air.

Avoid effect of heat.

**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.

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

Store container at cool and aired place.

**8. Exposure controls/personal protection**

**Additional advice on system design**

Sufficient ventilation and exhaustion.

**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



## Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

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Revision 10.02.2011 (GB) Version 6.0

**Chrome Silver Spray (GB)****Ingredients with occupational exposure limits to be monitored (continued)**

CAS No	Name	Code	[mg/m <sup>3</sup> ]	[ppm]	Remark
106-97-8	Butane	8 hours	1450	600	EH40/2005
		Short-term	1810	750	
78-93-3	Butan -2-one (methyl ethyl ketone)	8 hours	600	200	EH40/2005
		Short-term	899	300	
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/m <sup>3</sup> ]	[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	
78-93-3	butanone	8 hours	600	200	
		Short-term	900	300	

**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**

safety goggles

**Skin protection**

protective clothing

**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.

Use barrier skin cream.

**9. Physical and chemical properties****Form**  
aerosol**Colour**  
silver-grey**Odour**  
solvent-like**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>boiling point</b>	-44 °C				
<b>Flash point</b>	-97 °C				
<b>Ignition temperature</b>	365 °C				



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### Chrome Silver Spray (GB)

	Value	Temperature	at	Method	Remark
<b>Lower explosion limit</b>	1,5 Vol-%				
<b>Upper explosion limit</b>	13 Vol-%				
<b>Vapour pressure</b>	8300 hPa	20 °C			
<b>Density</b>	not determined				
<b>Solubility in water</b>					immiscible

#### Explosive properties

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

## 10. Stability and reactivity

#### Conditions to avoid

Keep away from heat.

Formation of explosive gas/air mixtures.

#### Hazardous decomposition products

Carbon monoxide and carbon dioxide.

#### Thermal decomposition

Remark No decomposition if used as directed.

## 11. Toxicological information

#### Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
<b>Irritability skin</b>	non-irritant			
<b>Irritability eye</b>	irritant			
<b>Skin sensitization</b>	non-sensitizing			

#### 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

#### Additional information

Labelling in compliance with the assessment procedure specified in the EC guidelines 1999/45/EC.

## 12. Ecological information

#### General regulation

Do not allow uncontrolled leakage of product into the environment.

Product is not allowed to be discharged into aquatic environment.



### 13. Disposal considerations

Waste code No.	Name of waste
15 01 10*	packaging containing residues of or contaminated by dangerous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC 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.

### 14. Transport information

#### Land and inland navigation transport ADR/RID

UN 1950 AEROSOLS, 2.1, (D), Classification code: 5F  
transport in "limited quantities" according to 3.4 ADR LQ2 is possible

#### Marine transport IMDG

UN 1950 AEROSOLS, 2.1  
Transport as limited quantities according to 3.4 IMDG Code is possible.

#### Air transport ICAO/IATA-DGR

UN 1950 Aerosols, flammable, 2.1

#### Transport/further information

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

### 15. Regulatory information

VOC standard	
VOC value	0,249 g/L

### 16. Other information

#### Recommendend uses and restrictions

National and local regulations concerning chemicals shall be observed.

#### Further information

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.

#### Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

- R 10 Flammable.
- R 11 Highly flammable.
- R 12 Extremely flammable.
- R 15 Contact with water liberates extremely flammable gases.
- R 20/21 Harmful by inhalation and in contact with skin.
- R 36 Irritating to eyes.
- R 37 Irritating to respiratory system.
- R 38 Irritating to skin.
- R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 65 Harmful: may cause lung damage if swallowed.
- R 66 Repeated exposure may cause skin dryness or cracking.
- R 67 Vapours may cause drowsiness and dizziness.