



## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Name of product

Copper Spray (GB); Code-Nr. 11101

### 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

### Distributor in New Zealand

R A Johnstone & Co Ltd  
739 Great South Road, Otahuhu  
PO Box 97 948 SAMC. Manukau 2240  
Auckland. New Zealand  
Ph :+64 9 261 0333  
Fax: + 64 9 261 0330  
www.raj.co.nz

### Advice

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

### Emergency advice

Informationszentrale gegen Vergiftungen - Bonn  
Phone ++49(0)228-19 240

**Emergency telephone in New Zealand (24 hours)**  
**National Poison Center: 0800 POISON [764 766]**

### Recommended intended purpose(s)

Technical Aerosols

## 2. HAZARDS IDENTIFICATION

### Classification

F+; R12  
Xi; R36  
R52/53



### 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.

### Special hazards information for humans and environment

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

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Chemical characterization

Copper spray based on synthetic resin cement, solvent and pigments. Propellant: propane / butane

### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification
67-64-1	200-662-2	acetone	10 - 25	F R11; Xi R36; R66; R67
74-98-6	200-827-9	propane	10 - 25	F+ R12
106-97-8	203-448-7	butane	10 - 25	F+ R12
141-78-6	205-500-4	ethyl-acetate	10 - 25	F R11; Xi R36; R66; R67
64742-95-6	265-199-0	Solvent naphtha (petroleum), light arom.; Low boiling point naphtha - unspecified	2,5 - 10	Xn, N ,R 10-37-51/53-65-66-67



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## 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 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.

### In case of ingestion

Do not induce vomiting.

Refer to medical treatment.

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## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Dry powder

Carbon dioxide

sand

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

water

### Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

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.

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## 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

Ventilate closed rooms at ground level.

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

Keep in closed original container.

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.

Keep in a cool place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m <sup>3</sup> ]	[ml/m <sup>3</sup> ]	Spitzenb.	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		
7440-50-8	Copper: fume	8 hours	0.2			EH40/2005
		Short-term	2			
7440-50-8	Copper: dusts and mists (as Cu)	8 hours	1			EH40/2005
141-78-6	Ethyl acetate	8 hours		200		EH40/2005
		Short-term		400		

### Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC or 2006/15/EC)

CAS No	Name	Code	[mg/m <sup>3</sup> ]	[ppm]	Remark
67-64-1	acetone	8 hours	1210	500	

### Respiratory protection

If ventilation insufficient, wear respiratory protection.

In case of insufficient ventilation or long-term effect use breathing apparatus.

Short term: filter apparatus, filter A

### 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; 60 min.

### Eye protection

safety goggles

### Skin protection

protective clothing



#### General protective measures

Avoid contact with eyes and skin  
Do not inhale dust/fumes/aerosols.

#### Hygiene measures

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	<b>Colour</b>	<b>Odour</b>
aerosol	copper-coloured	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				
<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>					insoluble

#### 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

Vapours may cause dizziness, headaches and tiredness

#### Additional information

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

## 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.

15 01 04

16 05 04\*

#### Name of waste

metallic packaging

gases in pressure containers (including halons) containing 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

transport in "limited quantities" according to 3.4 ADR LQ2 is possible

#### Marine transport IMDG

UN 1950 AEROSOLS, 2.1

#### Air transport ICAO/IATA-DGR

UN 1950 Aerosols, flammable, 2.1



## 15. REGULATORY INFORMATION

#### Remarks for classification

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

#### Classification

**F+** Extremely flammable

**Xi** Irritant

The HSNO Approval Number for this Group Standard is HSR002515.

#### 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.

#### S-phrases

23.4 Do not breathe spray.



29/35 Do not empty into drains; dispose of this material and its container in a safe way.  
51 Use only in well-ventilated areas.

**Special labelling for certain preparations**

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 ignition sources - Do not smoke. Keep out of children's reach.

**VOC standard**

**VOC value** 0,264 g/L

**16. OTHER INFORMATION**

**Recommend 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-phrases specified in chapter 3 (not the classification of the formulation!)**

R 10 Flammable.

R 11 Highly flammable.

R 12 Extremely flammable.

R 36 Irritating to eyes.

R 37 Irritating to respiratory system.

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.