

Copper Spray, Paint

Print date : 07.11.2007

Product code : 495

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1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation

Copper Spray, Paint

Use of the substance/preparation

surface coating

Company/undertaking identification

Company name : PRO-TEC Deutschland GmbH
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Further Information

Article Number: 2951

2. Hazards identification

Classification

Indications of danger : Extremely flammable, Irritant
R-phrases :
Extremely flammable.

3. Composition/information on ingredients

Chemical characterization (preparation)

Solvent mixture
copper-emulsion

Aerosol propellant:
Propane/butane-mixture

Hazardous components

EC-No.	CAS-No.	Chemical name	Quantity	Classification
205-500-4	141-78-6	ethyl acetate	10 - 15 %	F, Xi R11-36-66-67

Full text of each relevant R phrase can be found in heading 16.

4. First aid measures

General information

Move victim out of danger zone and lay down.
Change contaminated clothing.

After inhalation

Provide fresh air. If victim is at risk of losing consciousness, position and transport on their side.

After contact with skin

After contact with skin, wash immediately with plenty of Water and soap.
In case of skin irritation, seek medical treatment.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.



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After ingestion

Do not induce vomiting. Consult physician.

Advice to doctor

Following symptoms can occur:
unconsciousness. Intoxication. vomiting. drowsiness. Headache.

5. Fire-fighting measures

Suitable extinguishing media

Extinguishing powder. Carbon dioxide (CO₂). Water fog. alcohol resistant foam.

Extinguishing media which must not be used for safety reasons

High power water jet.

Special exposure hazards arriving from substance or preparation itself, combustion products, resulting gases

Swims on the water. Vapours are heavier than air and will spread at floor level.

Special protective equipment for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Cool endangered container in case of fire.

6. Accidental release measures

Personal precautions

Provide adequate ventilation. Wear suitable solvent-proof protective clothing according to EN 465.
Keep away from sources of ignition. No smoking. Avoid contact with skin and eyes.
Do not breathe gas/fumes/vapour/spray.

Environmental precautions

Do not empty into drains or the aquatic environment. In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

Methods for cleaning up/taking up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Additional information

Explosive. Vapours may form explosive mixtures with air.

7. Handling and storage

Handling

Advice on safe handling

Keep only in the original container in a cool, well ventilated place. Have to care for a good Ventilation at workplace.

Advice on protection against fire and explosion

Vapours may form explosive mixtures with air.

Storage

Requirements for storage rooms and vessels

The floor should be leak tight, jointless and not absorbent. Keep only in the original container in a cool, well ventilated place. Do not store at temperatures over: 50 °C
Heating causes rise in pressure with risk of bursting.

8. Exposure controls/personal protection

Exposure limit values

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Exposure limits (EH40)

CAS No.	Substance	ml/m ³	mg/m ³	F/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
141-78-6	Ethyl acetate	200	-		TWA (8 h)	WEL
		400	-		STEL (15 min)	WEL

Exposure controls

Protective and hygiene measures

Keep away from food, drink and animal feeding stuffs.
Take off immediately all contaminated clothing "Wash hands when done working with material; at breaks, lunch, shift changes, etc."
Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes.

Respiratory protection

Have to care for a good Ventilation at workplace.

Hand protection

Tested protective gloves are to be worn: FKM (Fluoroelastomer (Viton)).NBR (Nitrile rubber).

Eye protection

Wear tightly sealed safety glasses against possible splashes into the eyes.

9. Physical and chemical properties

General information

Physical state : Aerosol
Colour : copper
Odour : characteristic

Important health, safety and environmental information

Test method

Changes in the physical state

Melting point : ca. - 190 °C
Boiling point : ca. - 42 °C
Flash point : < 0 °C
Lower explosion limits : 1,5 vol. %
Upper explosion limits : 9,4 vol. %

Other information

Ignition temperature : ca. 400 °C

10. Stability and reactivity

Conditions to avoid

Do not store at temperatures over: 50 °C
Keep away from heat.

Hazardous decomposition products

No dangerous reactions are known.
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11. Toxicological information

Acute toxicity

oral LD50 > 2000 mg/Kg(rat)



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Corrosive and irritant effects

Frequently or prolonged contact with skin may cause dermal irritation.
Irritation of eyes: Irritant effect possible.

12. Ecological information

Bioaccumulative potential

Swims on the water. Low potential of bio-accumulation.

Further information

Do not empty into drains or the aquatic environment.

13. Disposal considerations

Advice on disposal

Do not dispose with household waste.

Waste disposal number of waste from residues/unused products

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing dangerous substances
Classified as hazardous waste.

Waste disposal number of used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing dangerous substances
Classified as hazardous waste.

Contaminated packaging

Waste disposal according to official state regulations.

14. Transport information

Land transport (ADR/RID)

UN number : 1950
ADR/RID class : 2
Classification code : 5 F
Warning plate
Hazard-no. : -
Hazard label : 2.1
ADR/RID packing group : -
Limited quantity : 1 l

Description of the goods

Aerosols, flammable Propane/butane-mixture

Marine transport

UN number : 1950
IMDG code : 2
Marine pollutant : -
Hazard label : 2.1
IMDG packing group : -
EmS : F-D, S-U
Limited quantity : 1 l

Description of the goods

Aerosols, flammable Propane/butane-mixture

Air transport

UN/ID number : 1950
ICAO/IATA-DGR : 2.1

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Hazard label : 2.1
ICAO packing group : -
Limited quantity Passenger : 30 Kg G
IATA-packing instructions - Passenger : 203
IATA-max. quantity - Passenger : 75 Kg
IATA-packing instructions - Cargo : 203
IATA-max. quantity - Cargo : 150 Kg

Description of the goods

Aerosols, flammable Propane/butane-mixture

15. Regulatory information

Labelling

Danger symbols : F+ - Extremely flammable



F+ - Extremely flammable

R phrases

12 Extremely flammable.

S phrases

02 Keep out of the reach of children.
23 Do not breathe aerosole .
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. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

National regulatory information

Water contaminating class : 2 - water contaminating

16. Other information

Full text of R-phrases referred to under sections 2 and 3

11 Highly flammable.
12 Extremely flammable.
36 Irritating to eyes.
66 Repeated exposure may cause skin dryness or cracking.
67 Vapours may cause drowsiness and dizziness.

Other data

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.
The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)