

Safety data sheet

WERA Kontaktor

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

Prepared on: 21.08.2008/ JA

Product use: Electronic cleaner

Supplier:

WERA WERK Hermann Werner GmbH & Co. KG
Korzter Straße 21 - 25
D-42349 Wuppertal
Tel:+49 202-4045-277 Fax:+49 202 40 36 34
Email: abel@wera.de

2. Hazards identification

Highly flammable. Irritating to eyes and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

Additional information

Preparation classified as hazardous in the sense of directive 1999/45/EC. Danger of bursting (explosion) when heated. When using: development of explosive vapour/air mixture possible.

3. Composition/information on ingredients

Einecs no.	Substances	Classification	w/w%
265-151-9	Naphtha (petroleum), hydrotreated light	F;R11 Xn;R65 Xi;R38 N;R51/53 R67	25-50
204-696-9	carbon-dioxide-	Ingen	5-10
200-661-7	propan-2-ol	F;R11 Xi;R36 R67	25-50

Please see section 16 for the full text of the R-phrases

4. First aid measures

Inhalation

Seek fresh air. Seek medical advice if symptoms persist and show this safety data sheet to the doctor.

Ingestion

Do not induce vomiting. Consult doctor immediately. Keep Data Sheet available.

Skin

Wash skin with soap and water.

Eyes

Rinse immediately with water (preferably using eye wash) for at least 5 minutes. Open eyes wide. Remove any contact lenses.

5. Fire-fighting measures

Extinguish with powder, foam, carbon dioxide or water mist. Do not use water spray, as it may spread the fire. Use water or water mist to cool non-ignited stock. Remove containers from the danger area if this is possible without risk. Do not inhale vapours and flue gases - seek fresh air.

6. Accidental release measures

Dam spill and collect with sand, kieselguhr or other absorbent non-flammable material and place in suitable waste containers. For information on disposal please see item 13. Do not discharge spills into drains and/or surface water.

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Replaces:

WERA Kontaktor

7. Handling and storage

Handling

Smoking and naked flames prohibited. Ensure good ventilation.

Storage

VCI: LGK 2 B

8. Exposure controls/ personal protection

Precautions for use

Wash hands before breaks and and after work.

Respiratory protection

Not necessary, if well ventilated. During working processes with risk for inhalation of vapours from the product, respiratory equipment with filter A2P2 should be used.

Gloves and protective clothing

Wear protective nitrile gloves (EN 374)

Eye protection

Tight fitting protective goggles with side protection (EN 166)

Occupational exposure limits

Ingredients	Exposure limit	Remarks
Naphtha (petroleum), hydrotreated light	200ppm 1000 mg/m3	-
propane-2-ol	200 ppm 500 mg/m3, BAT 50 mg/l	Y, DFG
Kohlenstoffdioxid	5000 ppm 9100 mg/m3	DFG, EU

The exposure limits stated are in accordance with EH40/2002 Occupational Exposure Limits 2002. (EH40/2002 Occupational Exposure Limits 2002)

Remarks

AGW = Arbeitsplatzgrenzwert (workplace limit value, Germany)

BGW = Biologischer Grenzwert (biological limit value, Germany)

DFG Deutsche Forschungsgemeinschaft (German Research Foundation)

Control methods

Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

9. Physical and chemical properties

Physical state: aerosol

Colour: clear

Odour: solvent like

Pressure: 6,0 bar

Density 20 °C: n.a.

Limits of explosion: 0,9-12 % v/v

Explosion risk: Product is not explosive: When using: development of explosive vapour/air mixture possible.

Ignition temperature: 200 °C

Solubility in water: insoluble

10. Stability and reactivity

Conditions to avoid: Avoid heating and contact with ignition sources. Pressure increase will result in danger of bursting. Materials to avoid:

Avoid contact with other chemicals.

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11. Toxicological information

Acute

Inhalation

The product releases vapours from organic solvents, which may cause lethargy and dizziness. At high concentrations vapours may cause headaches and intoxication.

Ingestion

Skin contact

Irritates skin.

Eye contact

Irritating to eyes. Causes a burning sensation and tearing.

Long-term effects

May cause damage to the central nervous system

Prolonged or repeated inhalation of vapours may damage the central nervous system.

12. Ecological information

Avoid discharge into drains or surface water.

Ecotoxicity

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Persistence and degradability

According to the recipe, contains no AOX.

13. Disposal considerations

15 05 04 gases in pressure containers (including halons) Pay attention to local and national officioa regulations. for contaminated packing material:

15 01 04 metallic packing 15 01 01 paper and cardboard packaging

14. Transport information

The product must be transported in accordance with national and/or international rules for transport of dangerous goods by road, sea and air according to ADR, IMDG and IATA.

ADR: UN 1950 ; AEROSOLS, FLAMMABLE ; 2.1 ;

IMDG: UN 1950 ; AEROSOLS, FLAMMABLE ; 2.1 ;

Classification code: 5F Label ADR: 2.1 Hazard identification number:

Flash point: 1°C Label IMDG: 2.1 IMDG EmS.: F-D,S-U

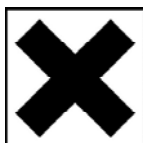
Transport according to ADR 1.1.3.6:Factor: 3. Maximum total quantity each transported unit: 333 kg.

IATA: UN 1950, AEROSOLS, FLAMMABLE, 2.1

Limited quantities

LQ2

Replaces:

15. Regulatory information

Irritant



Highly flammable



Dangerous for the environment

Hazard designation: Irritant; Highly flammable; Dangerous for the environment

Hazard symbols: Xi;F;N

R-phrases

Highly flammable. (R11)

Irritating to eyes and skin. (R36/38)

Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. (R51/53)

Vapours may cause drowsiness and dizziness. (R67)

S-phrases

Do not breathe spray. (S23)

Avoid contact with skin and eyes. (S24/25)

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. (S26)

Use only in well ventilated areas. (S51)

Other labelling

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.

Without sufficient ventilation formation of explosive mixtures may be possible

30 % und darüber, aliphatische Kohlenwasserstoffe

Chemical safety assessment**16. Other information****Line of business**

No information on:

Packaging

No information on:

Sources used

Regulation (EC) No 1907/2006, Annex II

Directive 67/548/EEC

Directive 1999/45/EC

Other information

VOC-CH: 0.292 kg/400 ml

VOC 1999/13/EG: 96,8 % w/w

This safety data sheet was prepared on the basis of information from the supplier on the product (e.g. material data sheets and the like).

Full text of the R-phrases that are stated in section 3.

R11 Highly flammable.

R36 Irritating to eyes.

R38 Irritating to skin.

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R65 Harmful: May cause lung damage if swallowed.

R67 Vapours may cause drowsiness and dizziness.