

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 24.07.2014

Version number 1

Revision: 15.11.2013

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

Product identifier

Trade name: Deichmann Power Cleaner 2.0

Article number: 6668

Relevant identified uses of the substance or mixture and uses advised against Void

Application of the substance / the mixture shoe care

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

melvo GmbH
 Voithstr. 1
 D-71640 Ludwigsburg
 Tel.: +49 / 7141/48880-0
 Fax: +49 / 7141/48880-18
 e-mail: sicherheitsdatenblaetter@melvo.com

Informing department: laboratory

Emergency telephone number:

+49 / 7141 / 488 80 0
 Monday-Thursday 8.00 AM - 04.00 PM, Friday 8.00 AM - 02.00 PM

Poison Control Centre: +44 / 20 7188 0100

2 Hazards identification

Classification of the substance or mixture

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

F+; Extremely flammable

R12: Extremely flammable.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurized container.

Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

Label elements

Labelling according to EU guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

Code letter and hazard designation of product:



F+ Extremely flammable

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Risk phrases:

12 Extremely flammable.

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

2 Keep out of the reach of children.

16 Keep away from sources of ignition - No smoking.

Special labelling of certain preparations:

Labelling in accordance with the Directive 94/1/EEC for adaption of the Aerosol Directive 75/324/EEC:

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 reach of children.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C.

Do not pierce or burn, even after use.

37.0 % by mass of the contents are flammable

Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

3 Composition/information on ingredients

Chemical characterization: Mixtures**Description:** Active substance with propellant.**Dangerous components:**

	Spezialbenzin 100/140	Xn R65; F R11; N R51/53 R66-67	10-25%
CAS: 106-97-8 EINECS: 203-448-7	butane, pure	F+ R12	10-25%
CAS: 74-98-6 EINECS: 200-827-9	propane liquefied	F+ R12	2.5-10%

Additional information For the wording of the listed risk phrases refer to section 16.

4 First aid measures

Description of first aid measures**After inhalation** Supply fresh air; consult doctor in case of symptoms.**After skin contact** The product is not skin irritating.**After eye contact** Rinse opened eye for several minutes under running water.**After swallowing** In case of persistent symptoms consult doctor.**Information for doctor****Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Firefighting measures

Extinguishing media

Suitable extinguishing agents

CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents Water with a full water jet.

Special hazards arising from the substance or mixture No further relevant information available.

Advice for firefighters

Protective equipment: No special measures required.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

Wear protective equipment. Keep unprotected persons away.

Environmental precautions:

Inform respective authorities in case product reaches water or sewage system.

Methods and material for containment and cleaning up: Ensure adequate ventilation.

Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

7 Handling and storage

Handling

Precautions for safe handling

Keep away from heat and direct sunlight.

Open and handle container with care.

Information about protection against explosions and fires:

Do not spray on flames or red-hot objects.

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Beware: Container is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire

even after use. Keep away from sources of ignition - do not smoke!

Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and containers:

Store in cool location.

Observe official regulations on storing packagings with pressurized containers.

Information about storage in one common storage facility:

Store away from flammable substances.

Further information about storage conditions:

None.

Keep container tightly sealed.

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Do not seal container gastight.
Store in cool, dry conditions in well sealed containers.
Protect from heat and direct sunlight.
Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.

Control parameters

Components with critical values that require monitoring at the workplace:

106-97-8 butane, pure (10-25%)

WEL	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
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Additional information: The lists that were valid during the compilation were used as basis.

Exposure controls

Personal protective equipment

General protective and hygienic measures

Do not eat, drink or smoke while working.
Wash hands during breaks and at the end of the work.

Breathing equipment: Use breathing protection in case of insufficient ventilation.

Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Tightly sealed safety glasses.

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	foam
Colour:	White
Smell:	Characteristic
Odour threshold:	Not determined.

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pH-value:	Not determined.
Change in condition	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	0 °C
Flash point:	-60 °C
Inflammability (solid, gaseous)	Not applicable.
Ignition temperature:	220 °C
Decomposition temperature:	Not determined.
Self-inflammability:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. -
Critical values for explosion:	
Lower:	0.8 Vol %
Upper:	8.5 Vol %
Steam pressure at 20 °C:	2100 hPa
Density at 20 °C	0.82 g/cm ³
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with	
Water:	Partly miscible
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
Solvent content:	
Organic solvents:	38.8 %
Water:	56.3 %
Other information	No further relevant information available.

10 Stability and reactivity

Reactivity

Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

Possibility of hazardous reactions No dangerous reactions known

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known

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11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

Spezialbenzin 100/140

Oral	LD50	2000 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rab)
Inhalative	LC50/4 h	5 mg/l (rat)

Primary irritant effect:

on the skin: No irritant effect.

on the eye: No irritant effect.

Sensitization: No sensitizing effect known.

12 Ecological information

Toxicity

Aquatic toxicity: No further relevant information available.

Persistence and degradability No further relevant information available.

Behaviour in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Ecotoxicological effects:

Remark: Harmful to fish

Additional ecological information:

General notes:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Harmful to aquatic organisms

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Uncleaned packagings:

Recommendation: Non contaminated packagings can be used for recycling.

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14 Transport information

UN-Number

ADR, IMDG, IATA

UN1950

UN proper shipping name

ADR

1950 AEROSOLS

IMDG

AEROSOLS

IATA

AEROSOLS, flammable

Transport hazard class(es)

ADR



Class

2 5F Gases.

Label

2.1

IMDG, IATA

Class

2.1

Label

2.1

Packing group

ADR, IMDG, IATA

Void

Environmental hazards:

Marine pollutant:

No

Special precautions for user

Warning: Gases.

Kemler Number:

-

EMS Number:

F-D,S-U

Transport in bulk according to Annex II of**MARPOL73/78 and the IBC Code**

Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ)

1L

Transport category

2

Tunnel restriction code

D

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15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations

Technical instructions (air):

Class	Share in %
III	17.7
NK	21.3

Water hazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

R11 Highly flammable.

R12 Extremely flammable.

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

R65 Harmful: may cause lung damage if swallowed.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

Department issuing data specification sheet: laboratory

Contact: Dr. W. Herrmann