

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2009

Revision: 08.07.2005

1 Identification of substance

- **Product details**
- **Trade name** Shaverhead Cleaner
- **Article number:** L96/3914/3
- **Application of the substance / the preparation** Cleaning agent/ Cleaner
- **Manufacturer/Supplier:**
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2 Hazards identification

- **Hazard designation:**



F+ Extremely flammable

- **Information pertaining to particular dangers for man 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:

R 12 Extremely flammable.

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

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Buildup of explosive mixtures possible without sufficient ventilation.

Keep out of the reach of children

- **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.

- **GHS label elements**



Danger

H222 - Extremely flammable aerosol.

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

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

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Keep out of the reach of children

- **Prevention:**

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

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P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

Storage:

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

3 Composition/information on ingredients

Chemical characterization**Description:** Mixture of the substances listed below with harmless additions.**Dangerous components:**

CAS: 115-10-6 EINECS: 204-065-8	dimethyl ether	F+; R 12 Danger: flame 2.2/1 Warning: gas cylinder 2.5/C	5-15%
CAS: 90622-57-4 EINECS: 292-459-0	90622-57-4 Distillates (Petroleum)	Xn; R 53-65-66 Danger: health hazard 3.10/1 4.1.C/4	< 5%

Additional information:

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

Non-ionic surfactants <5%

Aliphatic Hydrocarbons 5-15%

Mixture consisting of Benzylalcohol and Methylchloroisothiazolinone and Methylisothiazolinone(preservative)

4 First aid measures

- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact** Remove soaked clothing; Wash skin with water and soap.
- **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.
- **After swallowing** In case of persistent symptoms consult doctor.

5 Fire fighting measures

- **Suitable extinguishing agents** CO₂, extinguishing powder or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Special hazards caused by the material, its products of combustion or flue gases:**
In case of fire CO may be possible.
- **Protective equipment:** Wear protective equipment/clothing when fighting fires.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Prevent material from reaching sewage system, holes and cellars.
Inform respective authorities in case product reaches water or sewage system.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
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.
Do not spray on flames or red-hot objects.
- **Storage**
- **Requirements to be met by storerooms and containers:**
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:**
Do not store together with strong acids and strong oxidising agents.
- **Further information about storage conditions:**
Protect from heat and direct sunlight.
Store under dry conditions.
Store in a cool place.

8 Exposure controls and personal protection

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

- **Components with critical values that require monitoring at the workplace:**

115-10-6 dimethyl ether

WEL	Short-term value: 958 mg/m ³ , 500 ppm
	Long-term value: 766 mg/m ³ , 400 ppm

90622-57-4 90622-57-4 Distillates (Petroleum)

OEL	Short-term value: 1200 mg/m ³ , 177 ppm
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- **Personal protective equipment**
- **General protective and hygienic measures**
Wash hands during breaks and at the end of the work.
Do not inhale gases / fumes / aerosols.
- **Breathing equipment:** Not required, but ensure adequate ventilation when using the product.
- **Protection of hands:** Not required, when used as directed.
- **Material of gloves** N.a.
- **Penetration time of glove material** N.a.
- **Eye protection:** Not required, when used as directed.

9 Physical and chemical properties:

- **General Information**

Form:	Aerosol
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Colour:	Whitish
Smell:	Characteristic

- **Change in condition**

- Melting point/Melting range:** Not determined

- Boiling point/Boiling range:** Not applicable, as aerosol

- **Flash point:** Not applicable, as aerosol

- **Self-inflammability:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive vapour/air mixtures is possible.

- **Critical values for explosion:**

- Lower:** 3.4 Vol %

- Upper:** 18.0 Vol %

- **Vapour pressure at 20°C:** 2.7 ± 0.5 bar

- **Density at 20°C** 0.94 g/cm³

- **Solubility in / Miscibility with**

- Water:** Fully miscible

- **VOC at 20°C:** 179 g/l

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:** Strong acids and oxidising agents.
- **Dangerous reactions:** Forms explosive gas mixture with air
- **Dangerous products of composition:** In case of fire CO may be possible.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** Irritation may be possible.
- **on the eye:** Irritation may be possible.

12 Ecological information:

- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation** Disposal must be made according to official regulations.

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID and GGVS/GGVE (cross-border/domestic)**
- **ADR/RID-GGVS/E Class:** 2 5F Gases.
- **Kemler Number:** -
- **UN-Number:** 1950
- **Packaging group:** -
- **Label:** Diamond shaped, framed
- **Designation of goods:** 1950 AEROSOLS
- **Remarks:** UN 1950 should be placed inside the diamond shaped label.
This only applies to "Limited quantities".
- UN 1950 is required according to the ADR-regulations;

- **Inland shipping ADN/ADR:**
- **Designation of goods:** 1950 AEROSOLS

- **Maritime transport IMDG/GGVSea:**
- **IMDG/GGVSea Class:** 2.1
- **UN Number:** 1950
- **Packaging group:** -
- **EMS Number:** F-D,S-U
- **Correct technical name:** AEROSOLS
- **Remarks:** "Limited quantity"

- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** 2.1
- **UN/ID Number:** 1950
- **Label:** 2.1
- **Packaging group:** -
- **Correct technical name:** AEROSOLS, flammable
- **Remarks:** "Limited quantity"

- **UN "Model Regulation":** UN1950, AEROSOLS, 2

15 Regulatory information

- **Designation according to EC guidelines:**
The product has been labelled in accordance with EC Directives / relevant national laws.
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
The use of Xn (harmful) symbol and Risk phrase 65:
The aliphatic solvents, used in aerosols, are exempted from this regulation because they are classified as "Note 4" components according to EC-directive 94/69. Therefore "harmful" labelling is not necessary.

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· **Code letter and hazard designation of product:**



F+ Extremely flammable

· **Risk phrases:**

12 Extremely flammable.

· **Safety phrases:**

2 Keep out of the reach of children.

9 Keep container in a well-ventilated place.

16 Keep away from sources of ignition - No smoking.

23 Do not breathe aerosol.

51 Use only in well-ventilated areas.

· **Special designation of 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.

Buildup of explosive mixtures possible without sufficient ventilation.

Keep out of the reach of children

· **National regulations**

· **Technical instructions (air):**

Class	Share in %
Water	50-100
NK	5-15

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 R-phrases**

12 Extremely flammable.

53 May cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

· **Training hints** No training required but consult the instructions before using the product.

· **Recommended restriction of use**

Only use the product for the applications mentioned in chapter 1 (Use of the preparation).

· **Department issuing data specification sheet:** Product and Process Engineering

· **Contact:** J. Sijens

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

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GHS: Globally Harmonized System of Classification and Labelling of Chemicals

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· Sources

Material Safety Data Sheets from the raw materials

Actual legislation

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