

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 01.03.2013

Revision: 01.03.2013

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

- **Product identifier**
- **Trade name:** Nano-Spitoon Foam cleaner REF 9798387
- **Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the preparation** Disinfectant
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
DE Healthcare Ltd.  
Unit 9, Kingsthorpe Business Centre,  
Studland Road, Kingsthorpe,  
Northampton NN2 6NE U.K.
- Distributed by/Distribuido por/Distribue par/Vertrieb durch/Distribuito da  
And in the USA/Y en EEUU/Et aux Etats-Unis/Und in USA/E in USA:  
41 Weaver Road  
Denver, PA 17517 USA
- **Further information obtainable from:** info@dehpbrand.com
- **Emergency telephone number:**  
Chemtrec US (800) 424-9300, Mo-Fr 0-24 h  
International: 001 703-527-3887

## 2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Aerosol 1 H222 Extremely flammable aerosol.

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



F+; Extremely flammable

R12: Extremely flammable.

- **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.
- **Classification system:**  
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02

- **Signal word** Danger
- **Hazard statements**  
H222 Extremely flammable aerosol.
- **Precautionary statements**  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
P251 Pressurized container: Do not pierce or burn, even after use.

(Contd. on page 2)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 01.03.2013

Revision: 01.03.2013

**Trade name: Nano Spitoon Foam Cleaner**

(Contd. of page 1)

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

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

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

· **Additional information:**

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

Keep out of the reach of children

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.















· **vPvB:** Not applicable.

### 3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 64-17-5 EINECS: 200-578-6	ethanol  F R11  Flam. Liq. 2, H225	10-25%
CAS: 74-98-6 EINECS: 200-827-9	propane  F+ R12  Flam. Gas 1, H220;  Press. Gas, H280	2.5-10%
CAS: 106-97-8 EINECS: 203-448-7	butane  F+ R12  Flam. Gas 1, H220;  Press. Gas, H280	2.5-10%
CAS: 2372-82-9 EINECS: 219-145-8	N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine  C R35;  Xn R22;  N R50  Skin Corr. 1A, H314;  Aquatic Acute 1, H400;  Acute Tox. 4, H302	≤ 2.5%

· **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 complaints.

· **After skin contact:** Generally the product does not irritate the skin.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If symptoms persist consult doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

### 5 Firefighting measures

· **Extinguishing media**

· **Suitable extinguishing agents:**

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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

(Contd. on page 3)

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 01.03.2013

Revision: 01.03.2013

Trade name: Nano Spitoon Foam Cleaner

(Contd. of page 2)

- **Advice for firefighters**
- **Protective equipment:** No special measures required.

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **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 disposal information.

## 7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Open and handle receptacle with care.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.  
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 facilities:** No further data; see item 7.
- **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

### 64-17-5 ethanol

WEL Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

### 106-97-8 butane

WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm  
Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm  
Carc (if more than 0.1% of buta-1.3-diene)

- **Additional information:** The lists valid during the making were used as basis.
- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:** Wash hands before breaks and at the end of work.
- **Respiratory protection:** Not required.

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 01.03.2013

Revision: 01.03.2013

Trade name: Nano Spitoon Foam Cleaner

(Contd. of page 3)

· **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

Butyl rubber, BR

Natural rubber, NR

· **Eye protection:**

Tightly sealed goggles

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**· **General Information**· **Appearance:****Form:** Aerosol**Colour:** According to product specification· **Odour:** Characteristic· **pH-value at 20 °C:** 10· **Change in condition****Melting point/Melting range:** Undetermined.**Boiling point/Boiling range:** < 35 °C· **Flash point:** Not applicable, as aerosol.· **Ignition temperature:** 425 °C· **Self-igniting:** Product is not selfigniting.· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.· **Explosion limits:****Lower:** 3.5 Vol % (Butan)**Upper:** 15.0 Vol % (Butan)· **Vapour pressure at 20 °C:** 59 hPa· **Density at 20 °C:** 0.96 g/cm<sup>3</sup> (Flüssigkeit)

(Contd. on page 5)

GB

**Safety data sheet**  
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Printing date 01.03.2013

Revision: 01.03.2013

Trade name: Nano Spitoon Foam Cleaner

(Contd. of page 4)

- **Solubility in / Miscibility with water:** Fully miscible.
- **Solvent content:**
  - Organic solvents:** 25 %
  - Water:** <70 %
- **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.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
  - **on the skin:** No irritant effect.
  - **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects 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.
- **Additional ecological information:**
- **General notes:**
  - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
  - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **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 together with household garbage. Do not allow product to reach sewage system.

- **European waste catalogue**

16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
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(Contd. on page 6)

GB

**Safety data sheet**  
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Trade name: Nano Spitoon Foam Cleaner

(Contd. of page 5)

16 05 00 gases in pressure containers and discarded chemicals

16 05 04 gases in pressure containers (including halons) containing dangerous substances

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### 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.· **Danger code (Kemler):** -· **EMS Number:** F-D,S-U· **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.· **Transport/Additional information:**· **ADR**· **Excepted quantities (EQ):** E0· **Limited quantities (LQ)** 1L· **Transport category** 2· **Tunnel restriction code** D· **UN "Model Regulation":** UN1950, AEROSOLS, 2.1

GB

(Contd. on page 7)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

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Trade name: Nano Spitoon Foam Cleaner

(Contd. of page 6)

### 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02

- **Signal word** *Danger*
- **Hazard statements**  
*H222 Extremely flammable aerosol.*
- **Precautionary statements**  
*P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.*  
*P251 Pressurized container: Do not pierce or burn, even after use.*  
*P260 Do not breathe dust/fume/gas/mist/vapours/spray.*  
*P211 Do not spray on an open flame or other ignition source.*  
*P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.*
- **Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

### 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Relevant phrases**  
*H220 Extremely flammable gas.*  
*H225 Highly flammable liquid and vapour.*  
*H280 Contains gas under pressure; may explode if heated.*  
*H302 Harmful if swallowed.*  
*H314 Causes severe skin burns and eye damage.*  
*H400 Very toxic to aquatic life.*
- **R11 Highly flammable.**
- **R12 Extremely flammable.**
- **R22 Harmful if swallowed.**
- **R35 Causes severe burns.**
- **R50 Very toxic to aquatic organisms.**
- **Abbreviations and acronyms:**  
*RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*  
*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)*  
*ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*  
*IMDG: International Maritime Code for Dangerous Goods*  
*IATA: International Air Transport Association*  
*GHS: Globally Harmonized System of Classification and Labelling of Chemicals*
- **\* Data compared to the previous version altered.**

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