



**Safety data sheet**  
According to 91/155 EEC

Printing date 14.06.2011

Revision: 14.06.2011

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

- **Product identifier**
- **Trade name:** BRUSH OFF
- **Article number:** 451
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the preparation**  
Dry foam cleaner for all fabric and velour upholstery in the car and in the home, as well as for carpets, roof linings and dashboards.
- **Details of the supplier of the safety data sheet**
- **Further information obtainable from:**  
Wynn`s South Africa  
702 Main Pretoria Road  
Wynberg  
Sandton  
2090  
SOUTH AFRICA  
Tel: 2711 786 9070  
Fax: 2711 786 9069
- **Emergency telephone number:** Tel: 2711 786 9070

## 2 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**


106-97-8	butane, pure F+ R12 H220	5-10%
9004-82-4	Sodium lauryl polyoxyethylene ether sulphate R53 H413	5-15%
77-92-9	citric acid Xi R36	0.0001-5%
62-02-8	Isohexadecanal R53 H413	1-5%
137-16-6	Sodium Lauroylsarcosinate R53 H413	1-5%
110-91-8	morpholine C R34;  Xn R20/21/22 R10 H226;  H314;  H302; H312; H332	0.00001-5%
532-32-1	sodium benzoate	0.0001-5%
7732-18-5	water, distilled, conductivity or of similar purity	70-90%

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

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### 3 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.
- **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 according to the latest editions of the EU-lists, and extended by company and literature data.
- **Label elements**
- **Labelling according to EU guidelines:**
  - Observe the general safety regulations when handling chemicals.
  - The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **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.
  - 16 Keep away from sources of ignition - No smoking.
  - 46 If swallowed, seek medical advice immediately and show this container or label.
  - 51 Use only in well-ventilated areas.
- **Special labelling 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.
- **Classification in accordance with Directive 75/324/EEC: Extremely flammable**
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### 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. Then consult a doctor.
- **After swallowing:** If symptoms persist 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:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full 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**  
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.  
Do not flush with water or aqueous cleansing agents
- **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.  
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.  
Do not spray onto a naked flame or any incandescent material.
- **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.  
Do not seal receptacle gas tight.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.
- **Specific end use(s)** No further relevant information available.

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## 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:**

### 106-97-8 butane, pure

OEEL (South Africa)	Short-term value: 1780 mg/m <sup>3</sup> , 750 ppm Long-term value: 1430 mg/m <sup>3</sup> , 600 ppm
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### 110-91-8 morpholine

OEEL (South Africa)	Short-term value: 105 mg/m <sup>3</sup> , 30 ppm Long-term value: 70 mg/m <sup>3</sup> , 20 ppm
IOELV (EU)	Sk Short-term value: 72 mg/m <sup>3</sup> , 20 ppm Long-term value: 36 mg/m <sup>3</sup> , 10 ppm

· **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:** Use suitable respiratory protective device 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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· **Form:**

Aerosol

· **Colour:**

As per product specification

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

· **pH-value:**

Not determined.

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· <b>Change in condition</b>	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	0°C
· <b>Flash point:</b>	-60°C
· <b>Ignition temperature:</b>	365°C
· <b>Decomposition temperature:</b>	Not determined.
· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Not determined.
· <b>Explosion limits:</b>	
Lower:	Not determined.
Upper:	Not determined.
· <b>Vapour pressure at 20°C:</b>	23 hPa
· <b>Density:</b>	Not determined.
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
· <b>Segregation coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
Dynamic:	Not determined.
Kinematic:	Not determined.
· <b>Solvent content:</b>	
Organic solvents:	8.5 %
Water:	80.0 %
VOC (EC)	8.50 %
Solids content:	3.5 %
· <b>Other information</b>	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:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

## 12 Ecological information

- **Toxicity**
- **Acquatic 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.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 2 5FC Gases.
- **Danger code (Kemler):** 23
- **UN-Number:** 1950
- **Packaging group:** -
- **Hazard label:** 2.1+8
- **UN proper shipping name:** 1950 AEROSOLS

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· Tunnel restriction code E

· Maritime transport IMDG:



· **IMDG Class:** 2.1  
 · **UN Number:** 1950  
 · **Label** 2.1+8  
 · **Packaging group:** -  
 · **EMS Number:** F-D,S-U  
 · **Marine pollutant:** No  
 · **Proper shipping name:** AEROSOLS

· Air transport ICAO-TI and IATA-DGR:



· **ICAO/IATA Class:** 2.1  
 · **UN/ID Number:** 1950  
 · **Label** 2.1+8  
 · **Packaging group:** -  
 · **Proper shipping name:** AEROSOLS, flammable, containing substances in Class 8, Packing Group I or II

· **Special precautions for user** Warning: Gases.  
 · **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable.

## 15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to EU guidelines:**  
Observe the general safety regulations when handling chemicals.  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- **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.  
16 Keep away from sources of ignition - No smoking.  
46 If swallowed, seek medical advice immediately and show this container or label.  
51 Use only in well-ventilated areas.
- **Special labelling 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.
- **Classification in accordance with Directive 75/324/EEC:** Extremely flammable

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· **National regulations:**

Class	Share in %
Wasser	80.0
NK	8.5

· **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.  
 H226 Flammable liquid and vapour.  
 H302 Harmful if swallowed.  
 H312 Harmful in contact with skin.  
 H314 Causes severe skin burns and eye damage.  
 H332 Harmful if inhaled.  
 H413 May cause long lasting harmful effects to aquatic life.
- R10 Flammable.  
 R12 Extremely flammable.  
 R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.  
 R34 Causes burns.  
 R36 Irritating to eyes.  
 R53 May cause long-term adverse effects in the aquatic environment.

· **Department issuing MSDS:**

Wynn`s South Africa  
 72 Main Pretoria Road  
 Wynberg  
 Sandton  
 2090  
 SOUTH AFRICA  
 Tel: 2711 786 9070  
 Fax: 2711 786 9069

· **\* Data compared to the previous version altered.**