

## Safety Data Sheet

### According to 91/155 EEC

Printing date 26.07.2007

Revision: 26.07.2007

### 1 Identification of substance:







- **Product details:**
- **Trade name:** Spray Conditioner (12-Pack) per can
- **Application of the substance / the preparation** Maintenance product
- **Manufacturer/Supplier:**  
 Forbo Siegling Pty. Ltd.  
 Unit 150/45 Gilby Road,  
 Mount Waverley Vic 3149  
 Ph.: 1300137933  
 Fax: 1300137944  
 Forbo Siegling GmbH  
 Lilienthalstr. 6/8  
 D-30179 Hannover
- **Information department:**  
 Chemical Laboratory  
 Email: Claudius.Hayduk@forbo.com
- **Emergency information:** ++49 (0) 511-6704 0

Tel.0511/6704-0

### 2 Composition/information on ingredients

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

- **Dangerous components:**

CAS: 106-97-8 EINECS: 203-448-7	butane, pure  F+; R 12	10-25%
CAS: 64742-49-0 EINECS: 265-151-9	Naphtha (petroleum), hydrotreated light  Xn,  Xi,  F,  N; R 11-38-51/53-65-67	10-25%
CAS: 74-98-6 EINECS: 200-827-9	propane liquefied  F+; R 12	2.5-10%

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

### 3 Hazards identification

- **Hazard description:**



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.

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

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

- **Classification system**

The classification was made according to the latest editions of the EU-lists, and expanded upon from company and literature data.

- **Additional information:**

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

### 4 First aid measures

- **General information** Do not leave affected persons unattended.

(Contd. on page 2)

## Safety Data Sheet

### According to 91/155 EEC

Printing date 26.07.2007

Revision: 26.07.2007

**Trade name: Spray Conditioner (12-Pack) per can**

(Contd. of page 1)

- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Rinse with warm water.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing** If symptoms persist consult doctor.
- **Information for doctor** MSDB
- **The following symptoms may occur:**
  - Dizziness
  - Nausea
- **Danger** Danger of impaired breathing.

### 5 Fire fighting measures

- **Suitable extinguishing agents**  
Alcohol resistant foam



CO2, sand, extinguishing powder. Do not use water.

Use fire fighting measures that suit the environment.

- **For safety reasons unsuitable extinguishing agents**

Water.

Water with full jet.

- **Special hazards caused by the material, its products of combustion or resulting gases:**

Formation of toxic gases is possible during heating or in case of fire.

- **Protective equipment:** Wear self-contained respiratory protective device.
- **Additional information** Cool endangered receptacles with water spray.

### 6 Accidental release measures

- **Person-related safety precautions:**  
Ensure adequate ventilation  
Keep away from ignition sources



Wear protective equipment. Keep unprotected persons away.

- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Ensure adequate ventilation.  
Do not flush with water or aqueous cleansing agents

### 7 Handling and storage

- **Handling**
- **Information for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.
- **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

- **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.

(Contd. on page 3)

AUS

## Safety Data Sheet According to 91/155 EEC

Printing date 26.07.2007

Revision: 26.07.2007

**Trade name: Spray Conditioner (12-Pack) per can**

(Contd. of page 2)

- **Further information about storage conditions:**  
Do not gas tight seal receptacle.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.

### 8 Exposure controls and personal protection

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

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

**106-97-8 butane, pure**

NES () | 1900 mg/m<sup>3</sup>, 800 ppm

**74-98-6 propane liquefied**

NES () | Asphyxiant

- **Additional information:** The lists that were valid during the creation were used as basis.

- **Personal protective equipment**

- **General protective and hygienic measures**

Do not eat, drink, smoke or sniff while working.  
Wash hands before breaks and at the end of work.  
Do not inhale gases / fumes / aerosols.

- **Breathing equipment:**



In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

- **Protection of hands:**

Solvent resistant 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**

Nitrile rubber, NBR

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:** Safety glasses

- **Body protection:** Protective work clothing.

### 9 Physical and chemical properties:

- **General Information**

**Form:** Aerosol  
**Colour:** Light yellow  
**Odour:** Characteristic

- **Change in condition**

**Melting point/Melting range:** undetermined  
**Boiling point/Boiling range:** Not applicable, as aerosol

- **Flash point:** 181 °C

- **Ignition temperature:** 300 °C

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

- **Danger of explosion:** -

(Contd. on page 4)

## Safety Data Sheet

### According to 91/155 EEC

Printing date 26.07.2007

Revision: 26.07.2007

Trade name: Spray Conditioner (12-Pack) per can

(Contd. of page 3)

- |   |            |
|---|------------|
| <b>· Explosion limits:</b>  |            |
| <b>Lower:</b>   | 0.6 Vol %  |
| <b>Upper:</b>   | 10.9 Vol % |
| <b>· Vapour pressure at 20 °C:</b> 8300 hPa                                       |            |
| <b>· Density at 20 °C:</b> 0.77 g/cm <sup>3</sup>                                 |            |
| <b>· Solubility in / Miscibility with Water:</b> Not miscible or difficult to mix |            |
| <b>· Solvent content:</b>   |            |
| <b>Organic solvents:</b>  | 34.7 %     |
| <b>· Solids content:</b> 34.7 %   |            |

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** To avoid thermal decomposition do not overheat.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:** No dangerous decomposition products known

### 11 Toxicological information

- **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:

- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **General notes:**  
Harmful to aquatic organisms  
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.  
VOC = 0.133 kg

### 13 Disposal considerations

- **Product:**
- **Recommendation**



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

#### · European waste catalogue

07 06 99	wastes not otherwise specified
16 05 04	gases in pressure containers (including halons) containing dangerous substances

- **Uncleaned packagings:**
- **Recommendation:** Packaging can be reused or recycled after cleaning.
- **Recommended cleansing agent:** Solvent naphtha

AUS

(Contd. on page 5)

## Safety Data Sheet

### According to 91/155 EEC

Printing date 26.07.2007

Revision: 26.07.2007

Trade name: Spray Conditioner (12-Pack) per can

(Contd. of page 4)

### 14 Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID class: 2 5F Gases.
- UN-Number: 1950
- Packaging group: -
- Description of goods: 1950 AEROSOLS

- Maritime transport IMDG:



- IMDG Class: 2
- UN Number: 1950
- Label: 2.1
- Packaging group: II
- EMS Number: F-D,S-U
- Marine pollutant: nein  
No
- Proper shipping name: AEROSOLS

- Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 2.1
- UN/ID Number: 1950
- Label: 2.1
- Packaging group: II
- Proper shipping name: AEROSOLS, flammable
- Remarks: UN-4G/Y fibreboard boxes required  
Label: Flammable Gas  
Marking: AEROSOLS, flammable UN 1950

### 15 Regulations

- Australian Inventory of Chemical Substances

	Gemisch aus Fettsäuren, höheren Alkoholen, freien Fettsäuren und Alkoholen
106-97-8	butane, pure
64742-49-0	Naphtha (petroleum), hydrotreated light
74-98-6	propane liquefied

- Markings according to EU guidelines:
- Code letter and hazard designation of product:



F+ Extremely flammable

- Risk phrases:
  - 12 Extremely flammable.
  - 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Safety phrases:
  - 9 Keep container in a well-ventilated place.
  - 16 Keep away from sources of ignition - No smoking.
  - 23 Do not breathe fumes.
  - 25 Avoid contact with eyes.
  - 51 Use only in well-ventilated areas.
  - 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

(Contd. on page 6)

AUS

## Safety Data Sheet

### According to 91/155 EEC

Printing date 26.07.2007

Revision: 26.07.2007

**Trade name: Spray Conditioner (12-Pack) per can**

(Contd. of page 5)

- **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. 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 %
III	44.3
NK	22.7

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

### 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 R-phrases**

11 Highly flammable.

12 Extremely flammable.

38 Irritating to skin.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

67 Vapours may cause drowsiness and dizziness.

- **Department issuing MSDS:** Chemical Laboratory

- **Contact:**

C.Hayduk

Tel.-Nr. +49 511 6704 214

Fax-Nr. +49 511 6704 489

Mobil-Nr.+49 151 11741970

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

AUS