

# Material Safety Data Sheet

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## **1 Identification of substance:**

?? **Product details:**

?? **Trade name:** **EXTREMULTUS Spray Conditioner**

?? **Manufacturer/Importer/Supplier:**

Siegling Australia Pty Ltd ABN 50 003 038 640  
Unit 150 45 Gilby Road Mt Waverley. Vic. 3149

?? **Information department:**

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## **2 Composition/Data on components:**

?? **Chemical characterization**

?? **Description:**

Mixture of the substances listed below with nonhazardous additions.

### **Dangerous components:**

106-97-8 butane, pure	10-25 %
107-83-5 2-methylpentane	2.5-10 %
74-98-6 propane liquefied	2.5-10 %
109-66-0 pentane	2.5-10 %

### \* **3 Hazards identification**

?? **Hazard description:** Highly flammable

?? **Information pertaining to particular dangers for man and environment**

Extremely flammable. 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 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.

?? **NFPA ratings (scale 0-4)**

Health = 0

Fire = 4

Reactivity = 0

### **4 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.

### \* **5 Fire fighting measures**

?? **Suitable extinguishing agents**

CO<sub>2</sub>, sand, extinguishing powder. Do not use water.

?? **For safety reasons unsuitable extinguishing agents**

Water.

Water with full jet.

?? **Protective equipment:** No special measures required.

## \* **6 Accidental release measures**

### ?? **Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

### ?? **Measures for environmental protection:**

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.

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.

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 on a naked flame or any incandescent material.

### ?? **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 receptacle tightly sealed.

Do not gas tight seal receptacle.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

#### ?? **Storage class**

#### ?? **Class according to regulation on flammable liquids:** Void

## **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

TLV: 1900 mg/m<sup>3</sup>, 800 ppm

107-83-5 2-methylpentane

TLV: Short-term value: 3500 mg/m<sup>3</sup>, 1000 ppm

Long-term value: 1760 mg/m<sup>3</sup>, 500 ppm

109-66-0 pentane

TLV: Short-term value: 2210 mg/m<sup>3</sup>, 750 ppm

Long-term value: 1770 mg/m<sup>3</sup>, 600 ppm

### **?? Additional information:**

The lists that were valid during the creation were used as basis.

### **?? Personal protective equipment**

### **?? General protective and hygienic measures**

Wash hands before breaks and at the end of work.

### **?? 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.

Use suitable respiratory protective device in case of insufficient ventilation.

### **?? Protection of hands: Not required.**

### **?? Eye protection: Tightly sealed goggles.**

## **\* 9 Physical and chemical properties:**

**?? Form:** Aerosol

**?? Color:** According to product specification

**?? Odor:** Characteristic

**??**

	<u>Value/Range</u>	<u>Unit</u>	<u>Method</u>
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**?? Change in condition**

**?? Melting point/Melting range:** undetermined

**?? Boiling point/Boiling range:** -0 ° C

**?? Flash point:** -97 ° C

??	<b>Ignition temperature:</b>	260 ° C
??	<b>Auto igniting:</b>	Product is not selfigniting.
??	<b>Danger of explosion:</b>	Produkt is not explosive. However, formation of explosive air/vapour mixtures are possible
??	<b>Explosion limits:</b>	
??	<b>Lower:</b>	0.6 Vol %
??	<b>Upper:</b>	8.5 Vol %
??	<b>Vapor pressure:</b>	at 20 ° C 2.1 hPa
??	<b>Density:</b>	at 20 ° C 0.018 g/cm <sup>3</sup>
??	<b>Solubility in / Miscibility with</b>	
??	<b>Water:</b>	Not miscible or difficult to mix
??	<b>Solvent content:</b>	
??	<b>Organic solvents:</b>	12.4 %

## **10 Stability and reactivity**

- ?? **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- ?? **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:**

?? **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment):  
hazardous for water.

Do not allow product to reach ground water, water course or sewage  
system.

Danger to drinking water if even small quantities leak into the ground.

## **13 Disposal considerations**

?? **Product:**

?? **Recommendation**

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

?? **Waste disposal key:**

55370

Bez.: Lösemittelgemische ohne halogenierte organische Lösemittel

Entsorgungshinweise:

Sonderabfallverbrennung

?? **Uncleaned packagings:**

?? **Recommendation:**

Disposal must be made according to official regulations.

## **\*14 Transport information**

?? **DOT regulations:**

?? **Hazard class:** 2.1

?? **Identification number:** UN1950

?? **Packing group:** -

?? **Proper shipping name (technical name):**

Aerosols, flammable, n.o.s, butane

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

?? **ADR/RID class:** 2 Gases that are compressed, liquefied or  
dissolved under pressure.

?? **Item:** 5 F

?? **Danger code (Kemler):** -

?? **UN-Number:** 1950

?? **Description of goods:** Aerosols

?? **Maritime transport IMDG:**  
?? **IMDG Class:** 2  
?? **Page:** 2102  
?? **UN Number:** 1950  
?? **Packaging group:** -  
?? **EMS Number:** 2-13  
?? **MFAG:** 620  
?? **Marine pollutant:** No  
?? **Propper shipping name:** Aerosols

?? **Air transport ICAO-TI and IATA-DGR:**  
?? **ICAO/IATA Class:** 2.1  
?? **UN/ID Number:** 1950  
?? **Packaging group:** -  
?? **Propper shipping name:** Aerosols, flammable, n.os, butane

### **\*15 Regulations**

?? **Markings according to EU guidelines:**  
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

?? **Code letter and hazard designation of product:** Highly flammable

?? **Hazard-determining components of labelling:**  
butane, pure  
2-methylpentane  
propane liquefied  
pentane

?? **Risk phrases:** Extremely flammable.

?? **Safety phrases:**  
Keep out of the reach of children. Keep in a cool, well-ventilated place. Keep away from sources of ignition - No smoking. Use only in well-ventilated areas.

?? **Special labeling of certain preparations:**  
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 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**

?? **Classification according to VbF:** Void

?? **Technical instructions (air):**

**Class Share in %**

III 25.2

NK 7.2

?? **Water hazard class:**

Water hazard class 2 (Self-assessment): 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.

?? **Department issuing MSDS:**

Marketing Services Australia from data sheet provided by Chemical  
Laboratory Siegling GmbH 30179 Hanover. Lilienthalstr.6/8 Tel 0511/6704-0

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