

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 26.01.2009

Revision: 23.01.2009

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

- **Product details**

- **Trade name:** *teslanol Dust Off "D" 200ml / 400 ml*
- **Application of the substance / the preparation** *Compressed gas spray*

- **Manufacturer/Supplier:**

*wentronic - Electronic Components Handels GmbH  
Pillmannstrasse 12  
D-38112 Braunschweig  
Deutschland / Germany  
Telefon +49-(0)531-210 58-0  
Telefax +49-(0)531-210 58-22  
office@wentronic.com*

- **Further information obtainable from:**

*Vertrieb / Sales Department (über Zentrale / via switchboard)  
Telefon +49-(0)531-210 58-0  
Telefax +49-(0)531-210 58-22  
office@wentronic.com*

- **Information in case of emergency:**

*Telefon +49-(0)531-210 58-0  
Telefax +49-(0)531-210 58-22  
office@wentronic.com*

## 2 Hazards identification

- **Hazard description:**



*F+ 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.*

*R 12 Extremely flammable.*

*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.*

*Without sufficient ventilation formation of explosive mixtures may be possible.*

*Keep out of the reach of children*

- **Classification system:**

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

## 3 Composition/information on ingredients

- **Chemical characterization**

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

- **Dangerous components:**

CAS: 106-97-8 EINECS: 203-448-7	butane	F+; R 12	50-100%
CAS: 74-98-6 EINECS: 200-827-9	propane	F+; R 12	25-50%
CAS: 75-28-5 EINECS: 200-857-2	isobutane	F+; R 12	2.5-10%

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

## 4 First aid measures

· **General information:**

Take affected persons out into the fresh air.

Do not leave affected persons unattended.

· **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>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **Special hazards caused by the substance, its products of combustion or resulting gases:**

Risk of bursting in case of fire heat

· **Protective equipment:** Mouth respiratory protective device.

· **Additional information** Cool endangered receptacles with water spray.

## 6 Accidental release measures

· **Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

· **Measures for environmental protection:** No special measures required.

· **Measures for cleaning/collecting:**

Ensure adequate ventilation.

Allow to evaporate.

## 7 Handling and storage

· **Handling:**

· **Information for safe handling:**

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

· **Information about fire - and explosion protection:**

Keep ignition sources away - Do not smoke.

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.

Protect against electrostatic charges.

Do not spray onto 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:** Store away from oxidizing agents.

· **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

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· **Recommended storage temperature:** 15 - 35°C, max. 50°C

## 8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.· **Ingredients with limit values that require monitoring at the workplace:****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)
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· **Additional information:** The lists valid during the making were used as basis.· **Personal protective equipment:**· **General protective and hygienic measures:**

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

· **Respiratory protection:** Not necessary if room is well-ventilated.· **Protection of hands:** Not required.· **Material of gloves not applicable**· **Penetration time of glove material not applicable**· **Eye protection:** Not required.

## 9 Physical and chemical properties

· **General Information**

<b>Form:</b>	Aerosol
<b>Colour:</b>	Colourless
<b>Odour:</b>	Recognizable

· **Change in condition****Melting point/Melting range:** Undetermined.**Boiling point/Boiling range:** -44°C· **Flash point:** Not applicable, as aerosol.· **Ignition temperature:** 365°C· **Self-igniting:** Product is not selfigniting.· **Danger of explosion:** Risk of bursting at temperatures > 50°C. Damage of the container may lead to the formation of explosive mixtures of gas/vapors with air.· **Explosion limits:**

<b>Lower:</b>	1.5 Vol %
<b>Upper:</b>	10.9 Vol %
<b>Pressure (20°C)</b>	4,5 - 6,5 bar

· **Density at 20°C:** 0.56 g/cm<sup>3</sup>· **Solubility in / Miscibility with****water:** Not miscible or difficult to mix.· **Solvent content:****Organic solvents:** 0.0 %· **Additional information** Vapors are heavier than air.

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## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** Risk of bursting at temperatures >50°C.
- **Dangerous reactions** By use or incidental release the formation of explosive vapor/air mixtures is possible.
- **Dangerous decomposition products:** No dangerous decomposition products known.
- **Additional information:** Stable for a storage time of min. 24 months

## 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:** Generally not hazardous for water

## 13 Disposal considerations

- **Product:**
- **Recommendation**  
empty cans: material recycling  
filled cans: remove in accordance with local regulations

- **European waste catalogue**

16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
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.

## 14 Transport information

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



- **ADR/RID class:** 2 5F Gases.
- **Danger code (Kemler):** -
- **UN-Number:** 1950
- **Packaging group:** -
- **Hazard label:** 2.1
- **Description of goods:** 1950 AEROSOLS

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· **Remarks:** Transportation as "LIMITED QUANTITIES" (LQ2) according 3.4 ADR possible.  
Sole marking: UN 1950 (rhombe)  
Entry in the transportation document: Transportation according chapter 3.4 ADR

· **Maritime transport IMDG:**

· **IMDG Class:** 2.1  
· **UN Number:** 1950  
· **Label** 2.1  
· **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  
· **Packaging group:** -  
· **Proper shipping name:** AEROSOLS, flammable

## 15 Regulatory information

- **Labelling 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:**  
F+ Extremely flammable
- **Risk phrases:**  
12 Extremely flammable.
- **Safety phrases:**  
23 Do not breathe aerosol.  
51 Use only in well-ventilated areas.  
56 Dispose of this material and its container to hazardous or special waste collection point.
- **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.  
Without sufficient ventilation formation of explosive mixtures may be possible.  
Keep out of the reach of children
- **National regulations:**
- **Information about limitation of use:**  
Employment restrictions concerning juveniles must be observed.

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*Employment restrictions concerning pregnant and lactating women must be observed.*

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### **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**

12 Extremely flammable.

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