

# Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 16.11.2009

Revision: 16.11.2009

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

- **Product details**

- **Trade name:** *teslanol M Spezial-Schmier-Spray 200 ml (Art. 26010)*
- **Application of the substance / the preparation** *Lubricant*

- **Manufacturer/Supplier:**

wentronic - Electronic Components Handels GmbH  
 Pillmannstrasse 12  
 D-38112 Braunschweig  
 Deutschland / Germany  
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 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  
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 office@wentronic.com

- **Information in case of emergency:**

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

## 2 Hazards identification

- **Hazard description:**



*Xi Irritant*  
*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.

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Warning! Pressurized container.

Has a narcotizing effect.

R 12 Extremely flammable.

R 43 May cause sensitisation by skin contact.

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.

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	butane	25-50%
EINECS: 203-448-7	F+; R 12	

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CAS: 64742-48-9 EINECS: 265-150-3	Naphtha (petroleum), hydrotreated heavy ☒ Xn; R 10-65-66	25-50%
CAS: 74-98-6 EINECS: 200-827-9	propane ☒ F+; R 12	2.5-10%
CAS: 111-76-2 EINECS: 203-905-0	2-butoxyethanol ☒ Xn, ☒ Xi; R 20/21/22-36/38	2.5-10%
CAS: 5989-27-5 EINECS: 227-813-5	(R)-p-mentha-1,8-diene ☒ Xn, ☒ Xi, ☒ N; R 10-38-43-50/53-65	≤ 2.5%
CAS: 75-28-5 EINECS: 200-857-2	isobutane ☒ F+; R 12	≤ 2.5%

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents**

aliphatic hydrocarbons	≥ 30%
LIMONENE	

· **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 and to be sure call for a doctor.  
In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

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

· **After swallowing:**

If product is swallowed DO NOT induce vomiting. DANGER OF ASPIRATION. Search for medical help and show this MSDS.

## 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:** Do not inhale explosion gases or combustion gases.

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

## 6 Accidental release measures

· **Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

Particular danger of slipping on leaked/spilled product.

Avoid contact with skin / eyes and inhalation.

Ensure adequate ventilation

· **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.

· **Measures for cleaning/collecting:**

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· **Additional information:** Keep off any handling equipment with engines (source of ignition)

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## 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.  
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.
- **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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### 111-76-2 2-butoxyethanol

WEL	Short-term value: 50 ppm Long-term value: 25 ppm
Sk	

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Do not carry product impregnated cleaning cloths in trouser pockets.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**



Protective gloves

- **Material of gloves** If contamination is possible, use gloves made of nitrile according EN 374
- **Penetration time of glove material** > 480 min / 0,4 mm thickness
- **Eye protection:** Safety glasses in case of spittings

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## 9 Physical and chemical properties

### · General Information

<b>Form:</b>	Aerosol
<b>Colour:</b>	Colourless
<b>Odour:</b>	lemon-like

### · Change in condition

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** -44°C  
 value concerns to propellant

· **Flash point:** Not applicable, as aerosol.

· **Ignition temperature:** 240°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>	0.6 Vol %
<b>Upper:</b>	8.5 Vol %
<b>Pressure (20°C)</b>	2,5 - 3,5 bar

· **Density at 20°C:** 0.685 g/cm<sup>3</sup>

· **Solubility in / Miscibility with water:** Not miscible or difficult to mix.

### · Solvent content:

**Organic solvents:** 35.8 %

· **Solids content:** 11.7 %

· **Additional information** Vapors are heavier than air.

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** Risk of bursting at temperatures >50°C.
- **Materials to be avoided:** Avoid contact with oxidizing agents.
- **Dangerous reactions** By use or incidental release the formation of explosive vapor/air mixtures is possible.
- **Dangerous decomposition products:** In case of fire the formation of toxic gases is possible.
- **Additional information:** Stable for a storage time of min. 24 months

## 11 Toxicological information

### · Acute toxicity:

#### · LD/LC50 values relevant for classification:

**64742-48-9 Naphtha (petroleum), hydrotreated heavy**

Oral	LD50	>2000 mg/kg (rat)
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Dermal	LD50	>2000 mg/kg (rab)
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Inhalative	LC50/4 h	>5 mg/l (rat)
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**5989-27-5 (R)-p-mentha-1,8-diene**

Oral	LD50	4400 mg/kg (rat)
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### · Primary irritant effect:

- **on the skin:** irritating
- **on the eye:** low

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- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:  
Irritant
- **Sensitisation** May cause sensitisation by skin contact.

## 12 Ecological information

- **Ecotoxicological effects:**

- **Acquatic toxicity:**

64742-48-9 Naphtha (petroleum), hydrotreated heavy

LC 50 / 96 h &gt;100 mg / l (fis)

- **Remark:** Harmful to fish

- **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.

Harmful to aquatic organisms

## 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
- **Limited quantities (LQ) LQ2**
- **Transport category** 2
- **Tunnel restriction code** D

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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:



Xi Irritant  
F+ Extremely flammable

## · Hazard-determining components of labelling:

(R)-p-mentha-1,8-diene

## · Risk phrases:

- 12 Extremely flammable.  
43 May cause sensitisation by skin contact.  
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## · Safety phrases:

- 23 Do not breathe aerosol.  
24/25 Avoid contact with skin and eyes.  
29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
37 Wear suitable gloves.  
51 Use only in well-ventilated areas.

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· **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.*

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

Class	Share in %
NK	10-25

## 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**

10 Flammable.

12 Extremely flammable.

20/21/22 Harmful by inhalation, in contact with skin and if swallowed.

36/38 Irritating to eyes and skin.

38 Irritating to skin.

43 May cause sensitisation by skin contact.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.