

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 22-Nov-2016

Print date: 30-Nov-2016



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## blaugelb Beschläge Spray

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

#### 1.1. Product identifier

Trade name/designation:

blaugelb Beschläge Spray

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture:

Lubricants, greases, release products

#### 1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

**Meesenburg Großhandel KG**

Westerallee 162

24941 Flensburg

Germany

**Telephone:** +49 (0)461 5808-2000

**Telefax:** +49 (0)461 5808-1101

**E-mail:** stuttgart@meesenburg.de

**Website:** www.meesenburg.de

#### 1.4. Emergency telephone number

Emergency telephone number München (Deutsch + English), 24h: +49 (0) 89-19240

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Aerosols ( <i>Flam. Aerosol 1</i> )	H222: Extremely flammable aerosol.	

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



**GHS02**  
Flame

Signal word: Danger

Hazard components for labelling:

Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts

#### hazard statements for physical hazards

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.

#### Supplemental Hazard information (EU)

EUH208	Contains Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts. May produce an allergic reaction.
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#### Precautionary statements

P102	Keep out of reach of children.
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### Precautionary statements Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.

### Precautionary statements Storage

P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
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### 2.3. Other hazards

#### Adverse physicochemical effects:

In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

#### Other adverse effects:

Special danger of slipping by leaking/spilling product.

## SECTION 3: Composition / information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 106-97-8 EC No.: 203-448-7 REACH No.: 01-2119474691-32	<b>butane</b> Flam. Gas 1, Press. Gas <b>Danger</b> H220	50 - < 55 Vol-%
CAS No.: 74-98-6 EC No.: 200-827-9 INDEX No.: 601-003-00-5 REACH No.: 01-2119486944-21	<b>propane</b> Flam. Gas 1, Press. Gas <b>Danger</b> H220	20 - < 25 Vol-%
CAS No.: 64742-54-7 EC No.: 265-157-1 REACH No.: 01-2119484627-25	<b>Distillates (petroleum), hydrotreated heavy paraffinic</b> Asp. Tox. 1 <b>Danger</b> H304	8 - < 15 Vol-%
CAS No.: 4259-15-8 EC No.: 224-235-5 REACH No.: 01-2119493635-27	<b>zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)</b> Aquatic Chronic 2 H411	0.1 - < 0.5 Vol-%
CAS No.: 70024-69-0 EC No.: 274-263-7 REACH No.: 01-2119492616-28	<b>Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts</b> Skin Sens. 1 <b>Warning</b> H317	0 - < 0.1 Vol-%

Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended.

#### Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician. If breathing is irregular or stopped, administer artificial respiration.

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### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and wash it before reuse.

### After eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

### After ingestion:

Rinse mouth. Let water be drunk in little sips (dilution effect). Get medical advice/attention if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

No data available

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media:

alcohol resistant foam Extinguishing powder Carbon dioxide (CO<sub>2</sub>)

#### Unsuitable extinguishing media:

Water

### 5.2. Special hazards arising from the substance or mixture

Combustible

#### Hazardous combustion products:

In case of fire: Gases/vapours, toxic

### 5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Use water spray jet to protect personnel and to cool endangered containers.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

##### Personal precautions:

Remove persons to safety.

##### Protective equipment:

Use appropriate respiratory protection.

##### Emergency procedures:

Remove all sources of ignition. Remove persons to safety.

#### 6.1.2. For emergency responders

##### Personal protection equipment:

Personal protection equipment: see section 8

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

### 6.3. Methods and material for containment and cleaning up

#### For containment:

Suitable material for taking up: Sand, Kieselguhr, Universal binder

### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

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### 6.5. Additional information

Use appropriate container to avoid environmental contamination.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Protective measures

##### Advices on safe handling:

Only use the material in places where open light, fire and other flammable sources can be kept away. Do not spray on naked flames or any incandescent material.

##### Fire prevent measures:

Vapours can form explosive mixtures with air. Do not expose to temperatures exceeding 50 °C/122 °F.

##### Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

#### Hints on storage assembly:

Do not store together with: Oxidising agent, Pyrophoric or self-heating substances

**Storage class:** 2B - aerosols

### 7.3. Specific end use(s)

No data available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	butane CAS No.: 106-97-8	① 1,000 ppm (2,400 mg/m <sup>3</sup> ) ② 4,000 ppm (9,600 mg/m <sup>3</sup> )
TRGS 900 (DE)	propane CAS No.: 74-98-6	① 1,000 ppm (1,800 mg/m <sup>3</sup> ) ② 4,000 ppm (7,200 mg/m <sup>3</sup> )

#### 8.1.2. Biological limit values

No data available

#### 8.1.3. DNEL-/PNEC-values

No data available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

No data available

#### 8.2.2. Personal protection equipment



##### Eye/face protection:

Eye glasses with side protection DIN EN 166

##### Skin protection:

Hand protection is not required

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### Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

### 8.2.3. Environmental exposure controls

No data available

### 8.3. Additional information

No data available

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

Physical state: Aerosol

Colour: light beige

Odour: Mineral oil

#### Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not applicable</i>			
Melting point	<i>not applicable</i>			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	-40 °C			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	-40 °C			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	287 °C			
Upper/lower flammability or explosive limits	1.8 - 8.4 Vol-%			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	0.605 g/cm <sup>3</sup>	20 °C		
Bulk density	<i>not determined</i>			
Water solubility (g/L)	Immiscible			
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>	40 °C		

### 9.2. Other information

No data available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Extremely flammable aerosol.

### 10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

### 10.3. Possibility of hazardous reactions

No data available

### 10.4. Conditions to avoid

Protect against direct sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

### 10.5. Incompatible materials

No data available

### 10.6. Hazardous decomposition products

Gases/vapours, toxic

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
106-97-8	butane	<b>LC<sub>50</sub> inhalative:</b> 658 ppmV 4 h (Rat)
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	<b>LD<sub>50</sub> oral:</b> >5,000 mg/kg (Rat) OECD Guideline 401 <b>LD<sub>50</sub> dermal:</b> >5,000 mg/kg (Rabbit) OECD Guideline 402
4259-15-8	zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	<b>LD<sub>50</sub> oral:</b> >5,000 mg/kg (Rat) <b>LD<sub>50</sub> dermal:</b> >5,000 mg/kg (Rabbit)

#### Eye damage/irritation:

Irritating to eyes.

#### Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

#### Germ cell mutagenicity:

No indications of human germ cell mutagenicity exist.

#### Carcinogenicity:

No indication of human carcinogenicity.

### SECTION 12: Ecological information

#### 12.1. Toxicity

CAS No.	Substance name	Toxicological information
106-97-8	butane	<b>ErC<sub>50</sub>:</b> 7.71 mg/l 4 d ECHA <b>LC<sub>50</sub>:</b> 27.98 mg/l 4 d ECHA
74-98-6	propane	<b>LC<sub>50</sub>:</b> 27.98 mg/l 4 d ECHA <b>ErC<sub>50</sub>:</b> 7.71 mg/l 4 d ECHA
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	<b>LC<sub>50</sub>:</b> >100 mg/l 4 d (Pimephales promelas (fathead minnow)) OECD Guideline 203 <b>EC<sub>50</sub>:</b> >10,000 mg/l 2 d (Daphnia magna (Big water flea)) OECD Guideline 202 <b>NOEC:</b> >1,000 mg/l 12 d (Oncorhynchus mykiss (Rainbow trout)) ECHA
4259-15-8	zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	<b>LC<sub>50</sub>:</b> 4.4 mg/l 4 d (Oncorhynchus mykiss (Rainbow trout)) OECD Guideline 203 <b>ErC<sub>50</sub>:</b> 410 mg/l 3 d (Scenedesmus subspicatus) OECD Guideline 201 <b>EC<sub>50</sub>:</b> 75 mg/l 2 d (Daphnia magna (Big water flea)) OECD Guideline 202 <b>NOEC:</b> 0.4 mg/l 21 d (Daphnia magna (Big water flea)) OECD Guideline 211

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### 12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
4259-15-8	zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	No	

### 12.3. Bioaccumulative potential

CAS No.	Substance name	Log K <sub>OC</sub>	Bioconcentration factor (BCF)
106-97-8	butane	2.89	
4259-15-8	zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)		5

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
106-97-8	butane	—
74-98-6	propane	—
64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic	—
4259-15-8	zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	—
70024-69-0	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	—

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

### 12.6. Other adverse effects

No data available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Dispose of waste according to applicable legislation.

#### 13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

#### Waste code product:

16 05 04 *	Gases in pressure containers (including halons) containing dangerous substances
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\*: Evidence for disposal must be provided.

#### Remark:

Special monitoring requiring wastes.

#### Waste code packaging:

15 01 01	paper and cardboard packaging
15 01 04	Metallic packaging

### Waste treatment options

#### Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

#### Appropriate disposal / Package:

Non-contaminated packages may be recycled.

### 13.2. Additional information

No data available

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### SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
<b>14.1. UN-No.</b>			
1950	1950	1950	1950
<b>14.2. UN proper shipping name</b>			
AEROSOLS	AEROSOLS	AEROSOLS	AEROSOLS
<b>14.3. Transport hazard class(es)</b>			
 2.1	 2.1	 2.1	 2.1
<b>14.4. Packing group</b>			
II	II	II	II
<b>14.5. Environmental hazards</b>			
No	-	No	No
<b>14.6. Special precautions for user</b>			
<b>Special provisions:</b> 190 327 344 625 <b>Limited quantity (LQ):</b> 1 L <b>Hazard identification number (Kemler No.):</b> <b>Classification code:</b> F <b>tunnel restriction code:</b> D <b>Remark:</b>	<b>Special provisions:</b> 190 327 344 625 <b>Limited quantity (LQ):</b> 1 L <b>Classification code:</b> F <b>Remark:</b>	<b>Special provisions:</b> 63, 190, 277, 327, 344, 959 <b>Limited quantity (LQ):</b> 1000 mL <b>EmS-No.:</b> F-D; S-U <b>Remark:</b>	<b>Special provisions:</b> A145 A167 A802 <b>Limited quantity (LQ):</b> 30 kg G Y203 <b>Remark:</b>

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
No data available

### SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### 15.1.1. EU legislation

**Restrictions on use:**

VOC-value (in g/L): 485,204 (80,2%)

**Other regulations (EU):**

850/2004/EC, 79/117/EEC, 689/2008/EC, 2008/47/EC

#### 15.1.2. National regulations

 **[DE] National regulations**

##### Restrictions of occupation

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). 22 JArbSchG.

##### Betriebsicherheitsverordnung (BetrSichV)

hochentzündlich



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### Water hazard class (WGK)

#### WGK:

1 - schwach wassergefährdend

#### Description:

Classification according to VwVwS, Annex 4.

### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

### 15.3. Additional information

No data available

## SECTION 16: Other information

### 16.1. Indication of changes

No data available

### 16.2. Abbreviations and acronyms

See overview table at [www.euphrac.eu](http://www.euphrac.eu)

### 16.3. Key literature references and sources for data

No data available

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

#### Classification according to Regulation (EC) No 1272/2008 [CLP]:

Hazard classes and hazard categories	Hazard statements	Classification procedure
Aerosols ( <i>Flam. Aerosol 1</i> )	H222: Extremely flammable aerosol.	

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H220	Extremely flammable gas.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H411	Toxic to aquatic life with long lasting effects.

### 16.6. Training advice

No data available

### 16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new madeup material.