

SAFETY DATA SHEET

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

Revision date: 22-Nov-2016

Print date: 23-Nov-2016



Page 1/8

blaugelb Multi Wartungs Spray

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

1.1. Product identifier

Trade name/designation:

blaugelb Multi Wartungs 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 statements for physical hazards

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

Supplemental Hazard information (EU): -

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.

SAFETY DATA SHEET

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

Revision date: 22-Nov-2016

Print date: 23-Nov-2016



Page 2/8

blaugelb Multi Wartungs Spray

Precautionary statements Storage

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

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	butane Flam. Gas 1, Press. Gas Danger H220	33 - 55 Vol-%
CAS No.: 74-98-6 EC No.: 200-827-9 INDEX No.: 601-003-00-5 REACH No.: 01-2119486944-21	propane Flam. Gas 1, Press. Gas Danger H220	18 - 30 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.

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 drunken 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 (CO₂)

SAFETY DATA SHEET

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

Revision date: 22-Nov-2016

Print date: 23-Nov-2016



Page 3/8

blaugelb Multi Wartungs Spray

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

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

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

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

SAFETY DATA SHEET

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

Revision date: 22-Nov-2016

Print date: 23-Nov-2016



Page 4/8

blaugelb Multi Wartungs Spray

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 ³) ② 4,000 ppm (9,600 mg/m ³)
TRGS 900 (DE)	propane CAS No.: 74-98-6	① 1,000 ppm (1,800 mg/m ³) ② 4,000 ppm (7,200 mg/m ³)

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

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: characteristic

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not applicable</i>			
Melting point	<i>not determined</i>			
Freezing point	<i>not determined</i>			

SAFETY DATA SHEET

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

Revision date: 22-Nov-2016

Print date: 23-Nov-2016



Page 5/8

blaugelb Multi Wartungs Spray

parameter		at °C	Method	Remark
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	365			
Upper/lower flammability or explosive limits	1.4 - 10.8			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	0.62 g/cm ³	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

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
106-97-8	butane	LC ₅₀ inhalative: 658 ppmV 4 h (Rat)

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.

SAFETY DATA SHEET

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

Revision date: 22-Nov-2016

Print date: 23-Nov-2016



Page 6/8

blaugelb Multi Wartungs Spray

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
106-97-8	butane	ErC ₅₀ : 7.71 mg/l 4 d ECHA LC ₅₀ : 27.98 mg/l 4 d ECHA
74-98-6	propane	LC ₅₀ : 27.98 mg/l 4 d ECHA ErC ₅₀ : 7.71 mg/l 4 d ECHA

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

CAS No.	Substance name	Log K _{OC}	Bioconcentration factor (BCF)
106-97-8	butane	2.89	

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	—

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
------------	---

*: 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

SAFETY DATA SHEET

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

Revision date: 22-Nov-2016





Print date: 23-Nov-2016



Page 7/8

blaugelb Multi Wartungs Spray

SECTION 14: Transport information

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

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): 484 (80,0%)

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

SAFETY DATA SHEET

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

Revision date: 22-Nov-2016

Print date: 23-Nov-2016



Page 8/8

blaugelb Multi Wartungs Spray

Water hazard class (WGK)

WGK:

nwg - nicht 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

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.

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 makeup material.