

SAFETY DATA SHEET

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

Revision date: 18-Nov-2016

Print date: 18-Nov-2016



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

1.1. Product identifier

Trade name/designation:

blaugelb Reiniger PVC-S5 UVA

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

Use of the substance/mixture:

Washing and cleaning products (including solvent based 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
flammable liquids (<i>Flam. Liq. 2</i>)	H225: Highly flammable liquid and vapour.	
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	
STOT-single exposure (<i>STOT SE 3</i>)	H336: May cause drowsiness or dizziness.	

2.2. Label elements

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

Hazard pictograms:



GHS02
Flame



GHS07
Exclamation mark.

Signal word: Danger

hazard statements for physical hazards	
H225	Highly flammable liquid and vapour.
hazard statements for health hazards	
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
Supplemental Hazard information (EU)	
EUH066	Repeated exposure may cause skin dryness or cracking.

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Precautionary statements Prevention

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.

Precautionary statements Response

P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER/doctor/.../ if you feel unwell.

Additional information:

In use may form flammable/explosive vapour-air mixture.

2.3. Other hazards

Adverse physicochemical effects:

Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.

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.: 78-93-3 EC No.: 201-159-0 INDEX No.: 606-002-00-3	butanone STOT SE 3, Flam. Liq. 2, Eye Irrit. 2 Danger H225-H319-H336-EUH066	60 - 70 Wt %
CAS No.: 67-64-1 EC No.: 200-662-2 INDEX No.: 606-001-00-8	acetone STOT SE 3, Flam. Liq. 2, Eye Irrit. 2 Danger H225-H319-H336-EUH066	30 - 40 Wt %
CAS No.: 61791-31-9 EC No.: 263-163-9	Amides, coco, N,N-bis(hydroxyethyl) Skin Corr. 1B, Acute Tox. 4, Aquatic Acute 1 Danger H302-H314-H400	> 2.5 Wt %

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. Get medical advice/attention if you feel unwell.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water.

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After ingestion:

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

Self-protection of the first aider:

Use personal protection equipment.

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

Headache, Nausea Drowsiness Dizziness

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

Where appropriate artificial ventilation. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Dry extinguishing powder Water spray jet alcohol resistant foam Extinguishing powder Carbon dioxide (CO₂)

Unsuitable extinguishing media:

High power water jet

5.2. Special hazards arising from the substance or mixture

In use may form flammable/explosive vapour-air 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Beware of reignition. Remove persons to safety.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection. Use appropriate respiratory protection.

Emergency procedures:

Remove all sources of ignition. Remove persons to safety. Provide adequate ventilation.

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:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Other information:

Treat the recovered material as prescribed in the section on waste disposal.

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.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8).

Fire prevent measures:

Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking.

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.

Packaging materials:

Keep/Store only in original container.

Storage class: 3 - Flammable liquids

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
IOELV (EU)	butanone CAS No.: 78-93-3	① 200 ppm (600 mg/m ³) ② 300 ppm (900 mg/m ³)
TRGS 900 (DE)	butanone CAS No.: 78-93-3	① 200 ppm (600 mg/m ³) ② 200 ppm (600 mg/m ³)
IOELV (EU)	acetone CAS No.: 67-64-1	① 500 ppm (1,210 mg/m ³)
TRGS 900 (DE)	acetone CAS No.: 67-64-1	① 500 ppm (1,200 mg/m ³) ② 1,000 ppm (2,400 mg/m ³)

8.1.2. Biological limit values

Limit value type (country of origin)	Substance name	Limit value	① parameter ② Test material ③ Sample time ④ Remark
TRGS 903 (DE)	butanone CAS No.: 78-93-3	2 mg/L	① 2-Butanon ② Urin ③ Expositionsende bzw. Schichtende
TRGS 903 (DE)	acetone CAS No.: 67-64-1	80 mg/L	① Aceton ② Urin ③ Expositionsende bzw. Schichtende

8.1.3. DNEL-/PNEC-values

No data available

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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

Skin protection:

Tested protective gloves must be worn DIN EN 374 Suitable material: Breakthrough time (maximum wearing time) min In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Filtering device with filter or ventilator filtering device of type: ABEK-P1

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: liquid

Colour: transparent

Odour: Ketone

Safety relevant basis data

parameter		at °C	Method	Remark
pH	<i>not applicable</i>			
Melting point	-86 °C			
Freezing point	<i>not determined</i>			
Initial boiling point and boiling range	79 °C			
Decomposition temperature (°C):	<i>not determined</i>			
Flash point	-4 °C			
Evaporation rate	<i>not determined</i>			
Ignition temperature in °C	514 °C			
Upper/lower flammability or explosive limits	1.8 - 11.5 Vol-%			
Vapour pressure	101 hPa	20 °C		
Vapour density	<i>not determined</i>			
Density	0.804 g/cm ³	20 °C		
Bulk density	<i>not determined</i>			
Water solubility (g/L)	290 g/l	20 °C		miscible
Partition coefficient: n-octanol/water	<i>not determined</i>			
Dynamic viscosity	0.4 mPa*s	20 °C		
Kinematic viscosity	<i>No data available</i>	40 °C		

9.2. Other information

No data available

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SECTION 10: Stability and reactivity

10.1. Reactivity

Can become highly flammable in use.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

Oxidising agent; Acid, concentrated

10.6. Hazardous decomposition products

In case of fire: Gases/vapours, toxic

SECTION 11: Toxicological information

11.1. Information on toxicological effects

CAS No.	Substance name	Toxicological information
78-93-3	butanone	LD₅₀ oral: 2,740 mg/kg (Rat) LD₅₀ dermal: 6,480 mg/kg (Rabbit)
67-64-1	acetone	LC₅₀ inhalative: 20 ppmV 4 h (Rat) LD₅₀ oral: 2,000 mg/kg (Rat) LD₅₀ dermal: 2,000 mg/kg (Rabbit)
61791-31-9	Amides, coco, N,N-bis(hydroxyethyl)	LD₅₀ oral: <2,000 mg/kg (Rat) CESIO

Skin corrosion/irritation:

slightly irritant but not relevant for classification.

Eye damage/irritation:

Causes serious eye irritation.

Respiratory or skin sensitisation:

not sensitising.

STOT-single exposure:

May cause respiratory irritation.

SECTION 12: Ecological information

12.1. Toxicity

CAS No.	Substance name	Toxicological information
78-93-3	butanone	LC₅₀: 3,220 mg/l 2 d EC₅₀: 5,090 mg/l 3 d
67-64-1	acetone	EC₅₀: >100 mg/l 2 d (Daphnia magna (Big water flea)) LC₅₀: >100 mg/l 4 d (Salmo trutta fario (L) (Freshwater trout))
61791-31-9	Amides, coco, N,N-bis(hydroxyethyl)	LC₅₀: 1 mg/l 2 d EC₅₀: 4 mg/l 2 d

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12.2. Persistence and degradability

CAS No.	Substance name	Biodegradation	Remark
78-93-3	butanone	Yes, rapidly	
67-64-1	acetone	Yes, rapidly	
61791-31-9	Amides, coco, N,N-bis(hydroxyethyl)	No	

12.3. Bioaccumulative potential

No data available

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
78-93-3	butanone	—
67-64-1	acetone	—
61791-31-9	Amides, coco, N,N-bis(hydroxyethyl)	—

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:

07 03 04 *	other organic solvents, washing liquids and mother liquors
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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:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Completely emptied packages can be recycled.

13.2. Additional information

No data available

SECTION 14: Transport information

Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)	
14.1. UN-No.			
1993	1993	1993	
14.2. UN proper shipping name			
FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	FLAMMABLE LIQUID, N.O.S.	

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Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)	
14.3. Transport hazard class(es)			
 3	 3	 3	
14.4. Packing group			
II	II	II	
14.5. Environmental hazards			
No	No	No	
14.6. Special precautions for user			
Special provisions: So ndervorschrift 640D Limited quantity (LQ): LQ 4 Liter Hazard identificati on number (Kemler No.): 33 Classification code: F1 tunnel restriction cod e: D/E Remark:	Special provisions: Limited quantity (LQ): LQ 4 Liter EmS-No.: F-E; S-D Remark:	Special provisions: Limited quantity (LQ): LQ 4 Liter 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

Other regulations (EU):

Volatile organic compounds (VOC) content in percent by weight: 98,8%

15.1.2. National regulations

 **[DE] National regulations**

Betriebssicherheitsverordnung (BetrSichV)

leichtentzündlich

Water hazard class (WGK)

WGK:

1 - schwach wassergefährdend

15.2. Chemical Safety Assessment

No data available

15.3. Additional information

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

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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
flammable liquids (<i>Flam. Liq. 2</i>)	H225: Highly flammable liquid and vapour.	
Serious eye damage/eye irritation (<i>Eye Irrit. 2</i>)	H319: Causes serious eye irritation.	
STOT-single exposure (<i>STOT SE 3</i>)	H336: May cause drowsiness or dizziness.	

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

Hazard statements	
H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.

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 made-up material.