

FEUERLÖSCHSPRAY FAHRZEUGE - 600 ML

Revision 3,00 GB-en Revision date: 28.12.2022 Date of last revision: 15.04.2019
Datum of first revision: 03.07.2015

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

1.1 Product identifier

Product name : FEUERLÖSCHSPRAY FAHRZEUGE - 600 ML
Product number : 610

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

Identified use of the mixture : Extinguisher spray
for professional use

1.3 Details of the supplier of the safety data sheet

Company : Prymos GmbH
Siemensstraße 18
63225 Langen
Phone : +49 6103 44094 30
Fax : +49 6103 44094 39
E-Mail : d.faust@prymos.com

1.4 Emergency telephone number

GBK GmbH +49 (0)6132 – 84463 (24 hours)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aerosols 3 H229: Pressurised container: May burst if heated.
STOT RE 2 H373: May cause damage to organs (kidney) through prolonged or
repeated exposure.

2.2 Label elements

Regulation (EC) No 1272/2008



Hazard pictograms :
Hazard components for labelling:
Ethandiol
Signal word : Attention
Hazard statements : H229 Pressurised container: May burst if heated.
H373 May cause damage to organs (kidney) through prolonged or
repeated exposure.
Precautionary statements : P102 Keep out of reach of children.
P210 Keep away from heat, hot surfaces, sparks, open flames and other
ignition sources. No smoking.
P251 Do not pierce or burn, even after use.
P260 Do not breathe spray.
P314 Get medical advice/attention if you feel unwell.
P410 + P412 Protect from sunlight. Do not expose to temperatures
exceeding 50 °C/122 °F.

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2.3 Other hazards

None are known.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical name	CAS No. EC No. INDEX No. REACH No.	Classification	Concentration (% w/w)
Ethylene glycol	107-21-1 203-473-3 603-027-00-1 01-2119456816-28	Acute Tox. 4; H302 STOT RE 2; H373	>= 15 - < 25
2-(2-Butoxyethoxy) ethanol	112-34-5 203-961-6 603-096-00-8 01-2119475104-44	Eye Irrit. 2; H319	>= 0.3 - < 3

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

SECTION 4: First aid measures

4.1 Description of first aid measures

- General information : Take off contaminated clothing. First aider: Pay attention to self-protection.
- After inhalation : Provide fresh air. Call a doctor in case of symptoms.
- After contact with skin : Wash thoroughly with water and soap. Call a doctor in case of symptoms
- After contact with eyes : In case of contact with eyes flush immediately with plenty of flowing water for 10 – 15 minutes holding eyelids apart and consult an ophthalmologist.
- After ingestion : Rinse mouth immediately. Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Risks : May cause damage to organs (kidney) through prolonged or repeated exposure.

4.3 Indication of any immediate medical attention and special treatment needed

- Treatment : First aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1 Extinguishing media

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Suitable extinguishing media : Product itself is an extinguishing media
Unsuitable extinguishing media: Not applicable.

5.2 Special hazards arising from the substance or mixture

Due to high vapour pressure danger of bursting in case of temperature rise.

5.3 Advice for firefighters

In case of fire wear self-contained breathing apparatus and chemical protective clothing.

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

Use personal protective equipment. Provide adequate ventilation. Do not breathe vapour/spray.
Avoid contact with eyes, skin and clothing.

6.2 Environmental precautions

Do not allow to enter drains or waterways. Do not allow to enter soil/subsoil.

6.3 Methods and material for containment and cleaning up

Provide adequate ventilation.

Large quantities: Contain product. Pump out product.

Small quantities: Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binder).

6.4 Reference to other sections

Safe handling : see section 7

Personal protective equipment: see section 8

Disposal : see section 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Provide adequate ventilation as well as local exhaustion at critical locations. Avoid contact with eyes, skin and clothing.

Advice on protection against fire and explosion

Heating causes rise in pressure with risk of bursting.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container in a cool, well-ventilated place.

Advice on storage compatibility

Do not store together with : oxidizing agents

Further information on storage conditions

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

Recommended storage temperature: +5 – +35 °C

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7.3 Specific end use(s) Not applicable

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Exposure limits (EH40)

CAS No.	Substance	ppm	mg/m ³	Category	Origin
107-21-1	Ethylene glycol	20	52	TWA (8 h)	WEL
		40	104	STEL (15 min)	
112-34-5	2-(2-Butoxyethoxy) ethanol	10	67.5	TWA (8 h)	WEL
		15	101.2	STEL (15 min)	

8.2 Exposure controls

Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Protective and hygiene measures

Common precautionary measures have to be observed when handling chemical substances. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Remove contaminated, saturated clothing immediately.

Personal protection

Eye/face protection : Safety goggles with side protection (EN 166)

Hand protection

Suitable material : NBR (nitrile rubber)
Thickness of the material : 0.4 mm
Breakthrough time : > 480 min
Additional information : The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection : Protective clothing, antistatic.

Respiratory protection : Necessary at insufficient ventilation
Filter type : Kombination filter particle and organic vapours (A-P)

Environmental exposure control

See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

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Physical state	:	Aerosol
Propellant	:	Nitrogen
Colour	:	Light yellow
Odour	:	Odorless
Odour threshold	:	Not determined
pH value (20 °C)	:	4 – 5
Melting point	:	Not applicable
Boiling point / boiling range	:	Not applicable
Flash point	:	Not applicable
Evaporation rate	:	Not determined
Flammability (solid, gas)	:	Not applicable
Explosive properties	:	Not explosive
Explosion limits	:	Not applicable
Vapour pressure (20 °C)	:	23 hPa
Relative vapour density	:	Not determined
Density (20 °C)	:	approx. 1.08 g/cm ³
Water solubility	:	Completely miscible
Partition coefficient (n-Octanol / water)	:	Not applicable
Auto-ignition temperature	:	Not applicable
Decomposition temperature	:	Not determined
Kinematic viscosity	:	Not applicable
Oxidizing properties	:	No

9.2 Other information

Particle size : Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Do not expose to temperatures above 50 °C. Heating causes rise in pressure with risk of bursting.

10.5 Incompatible materials

Oxidising agents.

10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

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11.1 Information on toxicological effects

Acute toxicity

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

Product:

Acute oral toxicity : Estimated value ATE: > 2,000 mg/kg (calculation method)

Components:

Ethylene glycol:

Acute oral toxicity : Estimated value ATE: 500 mg/kg
Acute inhalation toxicity : LC50/6 h (rat): > 2.5 mg/l
Acute dermal toxicity : LD50 (mouse): > 3,500 mg/kg

Irritation and corrosivity

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

Sensitising effects

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

STOT – single exposure

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

STOT – repeated exposure

May cause damage to organs (kidney) through prolonged or repeated exposure.

Carcinogenic, mutagenic, toxic effects for reproduction

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

Aspiration hazard

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

11.2 Information on other hazards

Endocrine disrupting properties

None.

SECTION 12 Ecological information

12.1 Toxicity

Components:

Ethylene glycol:

Acute fish toxicity : LC50 / 96 h (Pimephales promelas): 72,860 mg/l
Acute crustacea toxicity : EC50 / 48 h (Daphnia magna): > 100 mg/l
Acute algae toxicity : EC50 / 96 h (Pseudokirchn. subcapitata): 6,500 – 13,000 mg/l
Fish toxicity : NOEC / 7 d (Pimephales promelas): 15,380 mg/l
Crustacea toxicity : NOEC / 7 d (Ceriodaphnia dubia): 8,590 mg/l

2-(2-Butoxyethoxy) ethanol:

Acute fish toxicity : LC50 / 96 h (Lepomis macrochirus): 1,300 mg/l
Acute crustacea toxicity : EC50 / 48 h (Daphnia magna): > 100 mg/l

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12.2 Persistence and degradability

Components:

Ethylene glycol:

Biodegradability : Evaluation: Readily biodegradable.
Biological decomposition: 90 - 100 %; Exposure time: 10 d
Method: OECD 301 A

12.3 Bioaccumulative potential

Components:

Ethylene glycol:

Bioaccumulation : Species: Leuciscus idus
Bioconcentration factor (BCF): 10

Partition coefficient
n-Octanol / water : log Pow: -1.93

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting effects

This mixture does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no component meets the criteria.

12.7 Other adverse effects

No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Advice on disposal : Dispose of waste according to applicable legislation.

Waste disposal number product: 160504, gases in pressure containers (including halons)
containing hazardous substances

Waste disposal number
contaminated packaging : 150110, packaging containing residues of or contaminated by
dangerous substances

Contaminated packaging : Empty containers should be taken to an approved waste handling
site for recycling or disposal.

SECTION 14: Transport information

14.1 UN number

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ADR : UN 1950
RID : UN 1950
ADN : UN 1950
IMDG : UN 1950
IATA : UN 1950

14.2 UN proper shipping name

ADR : AEROSOLS
RID : AEROSOLS
ADN : AEROSOLS
IMDG : AEROSOLS
IATA : Aerosols, non-flammable

14.3 Transport hazard class(es)

ADR : 2
RID : 2
ADN : 2
IMDG : 2.2
IATA : 2.2

14.4 Packing group

ADR
Packing group : Not assigned by regulation
Classification code : 5A
Hazard label : 2.2
Tunnel restriction code : E

RID
Packing group : Not assigned by regulation
Classification code : 5A
Hazard label : 2.2

ADN
Packing group : Not assigned by regulation
Classification code : 5A
Hazard label : 2.2

IMDG
Packing group : Not assigned by regulation
Hazard label : 2.2
EmS Code : F-D, S-U

IATA (Cargo)
Packing group : Not assigned by regulation
Packing instruction : 203
Packing instruction (LQ) : Y203
Hazard label : Non-flammable, non-toxic Gas

IATA (Passenger)
Packing group : Not assigned by regulation
Packing instruction : 203
Packing instruction (LQ) : Y203

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Hazard label : Non-flammable, non-toxic Gas

14.5 Environmental hazards

Environmentally hazardous: no

14.6 Special precautions for users

See sections 6 – 8.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

Not relevant.

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII)
Entry 55: 2-(2-Butoxyethoxy) ethanol

VOC (2010/75/EU) : 0 %

National regulatory information

Employment restrictions : Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC)
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers

Water contaminating class : 1 – slightly water contaminating

15.2 Chemical safety assessment

A chemical safety assessment was not carried out.

SECTION 16: Other information

Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008

Aerosol 3, H229 : On basis of test data
STOT RE 2, H373 : Bridging principle „Aerosols“

Relevant H and EUH statements (number and full text)

H229 : Pressurised container: May burst if heated.
H302 : Harmful if swallowed.
H319 : Causes serious eye irritation.
H373 : May cause damage to organs through prolonged or repeated exposure.

Data sources

Data arise from reference works, literature, components MSDS

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Further 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.