

**Fire Extinguisher Spray WORKSHOP & OFFICE**

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

**1.1. Product identifier**

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

**Use of the substance/mixture**

Extinguishing media

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

Company name: Prymos GmbH  
 Street: Gerbermühlstraße 9  
 Place: D-60594 Frankfurt am Main  
 Telephone: +49 (0)69 66 05 939-0  
 e-mail (Contact person): info@prymos.com  
 Telefax: +49 (0)69 66 05 939-29

**1.4. Emergency telephone number:** +49 (0)69 66 05 939-0

**SECTION 2: Hazards identification**

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

**Regulation (EC) No. 1272/2008**

Hazard categories:  
 Aerosol: Aerosol 3  
 Hazard Statements:  
 Pressurised container: May burst if heated.

**2.2. Label elements**

**Regulation (EC) No. 1272/2008**

**Signal word:** Warning

**Hazard statements**

H229 Pressurised container: May burst if heated.

**Precautionary statements**

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

**2.3. Other hazards**

none

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Hazardous components**

| CAS No   | Chemical name   |              |                  | Quantity  |
|----------|---|--------------|------------------|-----------|
|          | EC No   | Index No     | REACH No         |           |
|          | Classification according to Regulation (EC) No. 1272/2008 [CLP] |              |                  |           |
| 112-34-5 | 2-(2-butoxyethoxy)ethanol                                       |              |                  | 1 - < 3 % |
|          | 203-961-6   | 603-096-00-8 | 01-2119475104-44 |           |
|          | Eye Irrit. 2; H319  |              |                  |           |

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

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#### SECTION 4: First aid measures

##### 4.1. Description of first aid measures

###### **General information**

Take off immediately all contaminated clothing.

###### **After inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

###### **After contact with skin**

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, seek medical treatment.

###### **After contact with eyes**

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

###### **After ingestion**

Rinse mouth immediately and drink plenty of water. Call a physician immediately.

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

None are known.

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

First Aid, decontamination, treatment of symptoms.

#### SECTION 5: Firefighting measures

##### 5.1. Extinguishing media

###### **Suitable extinguishing media**

Product acts as extinguishing media.

###### **Unsuitable extinguishing media**

not applicable

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

none

##### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

###### **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

Use personal protection equipment. Avoid contact with skin, eyes and clothes.

##### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

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

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

##### 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

#### SECTION 7: Handling and storage

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**7.1. Precautions for safe handling**

**Advice on safe handling**

Provide adequate ventilation as well as local exhaustion at critical locations.

**Advice on protection against fire and explosion**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

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

**Requirements for storage rooms and vessels**

Keep in a cool, well-ventilated place.

**Advice on storage compatibility**

Do not store together with: Oxidising agent

**Further information on storage conditions**

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

Protect against: Frost

**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 <sup>3</sup> | fibres/ml | Category      | Origin |
|----------|---------------------------|-----|-------------------|-----------|---------------|--------|
| 112-34-5 | 2-(2-Butoxyethoxy)ethanol | 10  | 67.5              |           | TWA (8 h)     | WEL    |
|          |                           | 15  | 101.2             |           | STEL (15 min) | WEL    |

**8.2. Exposure controls**

**Appropriate engineering controls**

Personal protective equipment has to be chosen in accordance with workplace specific conditions, e. g. concentration of the product. Chemical resistance has to be clarified with the supplier of protective equipment.

**Protective and hygiene measures**

Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Remove contaminated, saturated clothing immediately.

**Eye/face protection**

Wear eye/face protection.

**Hand protection**

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.

**Skin protection**

Protective apron

**Respiratory protection**

Respiratory protection necessary at: insufficient ventilation  
Suitable respiratory protection apparatus: Particle filter device (DIN EN 143)

**Environmental exposure controls**

See section 7. No additional measures necessary.

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#### SECTION 9: Physical and chemical properties

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

Physical state: Aerosol  
Colour: yellow  
Odour: odourless

##### Test method

pH-Value (at 20 °C): 4 - 5 Active agent

##### Changes in the physical state

Melting point: not applicable  
Initial boiling point and boiling range: not applicable  
Flash point: not applicable

##### Explosive properties

not explosive.

Lower explosion limits: not applicable  
Upper explosion limits: not applicable  
Ignition temperature: not determined

##### Oxidizing properties

Not oxidizing.

Vapour pressure: ca. 23 hPa Active agent  
(at 20 °C)

Density (at 20 °C): 1,08 - 1,12 g/cm<sup>3</sup> Active agent

Water solubility: easily soluble

Partition coefficient: not applicable

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Vapour density: not determined

Evaporation rate: not determined

##### 9.2. Other information

none

#### 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

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

##### 10.5. Incompatible materials

none

##### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

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**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Toxicokinetics, metabolism and distribution**

There are no data available on the mixture itself.

**Acute toxicity**

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

| CAS No   | Chemical name             |        |            |         |        |
|----------|---------------------------|--------|------------|---------|--------|
|          | Exposure routes           | Method | Dose       | Species | Source |
| 112-34-5 | 2-(2-butoxyethoxy)ethanol |        |            |         |        |
|          | oral                      | LD50   | 5660 mg/kg | Rat     |        |
|          | dermal                    | LD50   | 4120 mg/kg | Rabbit  |        |

**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.

**Severe effects after repeated or prolonged exposure**

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

**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.

**SECTION 12: Ecological information**

**12.1. Toxicity**

There are no data available on the mixture itself.

| CAS No   | Chemical name             |        |            |           |                                |        |
|----------|---------------------------|--------|------------|-----------|--------------------------------|--------|
|          | Aquatic toxicity          | Method | Dose       | [h]   [d] | Species                        | Source |
| 112-34-5 | 2-(2-butoxyethoxy)ethanol |        |            |           |                                |        |
|          | Acute fish toxicity       | LC50   | 1300 mg/l  | 96 h      | Lepomis macrochirus (Bluegill) |        |
|          | Acute algae toxicity      | ErC50  | > 100 mg/l |           | Scenedesmus sp.                |        |
|          | Acute crustacea toxicity  | EC50   | > 100 mg/l | 48 h      | Daphnia magna                  |        |

**12.2. Persistence and degradability**

There are no data available on the mixture itself.

**12.3. Bioaccumulative potential**

No indication of bioaccumulation potential.

**Partition coefficient n-octanol/water**

| CAS No   | Chemical name             | Log Pow |
|----------|---------------------------|---------|
| 112-34-5 | 2-(2-butoxyethoxy)ethanol | 0,56    |

**12.4. Mobility in soil**

If product enters soil, it will be mobile and may contaminate groundwater.

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#### 12.5. Results of PBT and vPvB assessment

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

#### 12.6. Other adverse effects

none

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### **Advice on disposal**

Dispose of waste according to applicable legislation.

##### **Waste disposal number of waste from residues/unused products**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances  
Classified as hazardous waste.

##### **Waste disposal number of contaminated packaging**

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances  
Classified as hazardous waste.

##### **Contaminated packaging**

Dispose of waste according to applicable legislation.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

|   |          |
|---|----------|
| <b><u>14.1. UN number:</u></b>                  | UN 1950  |
| <b><u>14.2. UN proper shipping name:</u></b>    | AEROSOLS |
| <b><u>14.3. Transport hazard class(es):</u></b> | 2        |
| <b><u>14.4. Packing group:</u></b>              | -        |
| Hazard label:                                   | 2.2      |



|                          |                 |
|--------------------------|-----------------|
| Classification code:     | 5A              |
| Special Provisions:      | 190 327 344 625 |
| Limited quantity:        | 1 L             |
| Excepted quantity:       | E0              |
| Transport category:      | 3               |
| Tunnel restriction code: | E               |

#### **Other applicable information (land transport)**

Transport as "limited quantity" according to chapter 3.4 ADR/RID.

#### **Inland waterways transport (ADN)**

|   |          |
|---|----------|
| <b><u>14.1. UN number:</u></b>                  | UN 1950  |
| <b><u>14.2. UN proper shipping name:</u></b>    | AEROSOLS |
| <b><u>14.3. Transport hazard class(es):</u></b> | 2        |
| <b><u>14.4. Packing group:</u></b>              | -        |
| Hazard label:                                   | 2.2      |

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Classification code: 5A  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0

**Marine transport (IMDG)**

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.2  
**14.4. Packing group:** -  
Hazard label: 2.2



Marine pollutant: -  
Special Provisions: 63, 190, 277, 327, 344, 959  
Limited quantity: 1000 mL  
Excepted quantity: E0  
EmS: F-D, S-U

**Air transport (ICAO)**

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.2  
**14.4. Packing group:** -  
Hazard label: 2.2



Special Provisions: A145 A167 A802  
Limited quantity Passenger: 30 kg G  
Passenger LQ: Y203  
Excepted quantity: E0  
IATA-packing instructions - Passenger: 203  
IATA-max. quantity - Passenger: 75 kg  
IATA-packing instructions - Cargo: 203  
IATA-max. quantity - Cargo: 150 kg

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

see section 6 - 8

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

not relevant

**SECTION 15: Regulatory information**

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

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#### National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

#### 15.2. Chemical safety assessment

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

### SECTION 16: Other information

#### Relevant H and EUH statements (number and full text)

H229 Pressurised container: May burst if heated.  
H319 Causes serious eye irritation.

#### Further Information

Data sources: Data arise from reference works and literature.

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.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*