

# FIRE EXTINGUISHING SPRAY BONPET

## TECHNICAL DATA SHEET

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### 1. Composition

- pressurised Al-container with Bonpet fire extinguishing solution,
- the handle with a spray nozzle, trigger and safety lock.

**Usage:** for extinguishing early-stage fire classes A, B in F.

### 2. Activation

**While using follow these steps:**

- Remove the safety lock,
- Push the trigger and direct the liquid towards the fire,
- Fight the fire from the distance 2-4 m.



*Fire extinguishing spray Bonpet is intended for multiple use, the same spray can be used several times until is empty, after emptying the spray cannot be refilled.*

### **IMPORTANT**

Devices under electrical power (max. 1.000V) MUST be extinguished from a distance at least 2m.

The container is under the pressure. The container must be protected from direct sun impact and temperatures higher than 50 °C. The container shall not be pierced or burned even when is empty. Liquid is not toxic, anyway in case of direct contact with the liquid, the impact area should be washed with a clean water. Should be kept out of the reach of children <sup>1)</sup>.

### **Bonpet liquid operation**

The components of Bonpet liquid cause a fast transport of the heat on a chemical part, using water when they get in contact with hot surface. Wet chemicals decompose into gasses (CO<sub>2</sub>, N<sub>2</sub>) which suffocate fire directly on burning surface, by preventing fire to get to the oxygen. The gasses suffocate fire directly on burning surface (intensive cooling and approximately 60-times bigger volume comparing to the size of a drop) due to this relatively small quantity of chemicals is needed to effectively put out a fire.

Non-decomposed components of Bonpet liquid that remain on the surface after the fire has been extinguished, have the ability to disintegrate and cool the surface, if there is a slight increase of temperature.

Bonpet liquid is suitable for extinguishing class A, B and F fire's and the consequences from the fire class C.

### 3. Technical characteristics

#### Fire extinguishing spray Bonpet

Operation	Manually
Fire class	A, B, F
Height	33 cm
Ø - diameter	65 mm
Weight of Spray	740 g
Net weight of liquid	570 g
Volume of liquid	500 ml
Range of spurt	4 meters
Time of extinguishing	18 seconds
Temperature range	-14°C/ 50°C
Propellant	Compressed air 10-12 bar

#### Bonpet Liquid

Physical state	liquid
Color	slightly colored liquid
Odor	faint smell of ammonia
pH	8.5 – 8.9
Melting point / freezing point	-14.5 °C
Initial boiling point/boiling range	103 °C
Flash point	non-existent
Evaporation rate	not specified
Flammability (solid, gas)	not flammable
Lower explosion limit	non-existent
Upper explosion limit	non-existent
Vapor pressure:	no information
Density	1.10 – 1.15 kg/l
Relative density	no information
Solubility in water	completely soluble in water
Partition coefficient: n-octanol/water	no information
Ignition temperature	non-combustible
Decomposition temperature	above 300°C
Viscosity	no information
Explosive properties	not explosive
Oxidizing properties	not oxidative
Particle properties:	not relevant (liquid)

#### 4. Bonpet Liquid classification (MPA Dresden)

Standard EN 3-7 : 2004 + A1:2007	27A, 144B, 75F (for 6 lit. Fire extinguisher Bonpet)
Freezing point	-14,5°C

#### 5. How to use Fire extinguishing spray Bonpet



#### 6. Guarantee and Life expectancy

Guarantee	1 year, without maintenance
Life expectancy	3 years, without maintenance

#### 7. Additional reference documents and certificates

- Certificate MPA Dresden, certificate of conformity KB 185/14 of extinguishing water-based liquid – Bonpet,
- Safety Data Sheet (SDS)
- Standard product quality.

<sup>1.)</sup> Additional safety, transport safety information's and others are available in SDS (Safety data sheet), or contact us.