

This STDS adheres to the standards and regulatory requirements of Slovenia
and may not meet regulatory requirements in other countries.

Manufacturer: **BONPET SYSTEMS d.o.o., Trbovlje, SLOVENIA**
Product **Fire extinguishing liquid Bonpet, ampoule Bonpet**

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SAFETY TECHNICAL DATA SHEET

SECTION 1: RECOGNITION ELEMENTS OF THE CHEMICAL SOLUTION AND OF THE MANUFACTURER

Producer: Bonpet Systems d.o.o. Trbovlje, Slovenija

The manufacturer of the chemical solution and of the automatic fire extinguisher: BONPET.

The chemical solution (extinguishing substance) BONPET is not hazardous for the environment

SECTION 2: INFORMATION ON COMPOSITION

The chemical solution in the ampoule BONPET is neutral, soluble in water and harmless to the environment.

CHEMICAL CHARACTERIZATION

Major components	conc. up to	CAS No.
Ammonium sulphate H ₈ -N ₂ -O ₄ -S	15 %	CAS 7783-20-2
Sodium silicate H ₂ -O ₃ -Si ₂ Na	25 %	CAS 6834-92-0
Alunite mixture	35 %	CAS 10043-67-1
EMPICOL-ESB-3	10 %	CAS 9004-82-4
SODIUM-PHOSPHATE-	10 %	CAS 7558-80-7
Ingredients (B,T, PS)	30 %	CAS 107-40-4, 108-30-5

SECTION 3: INFORMATION ON HAZARDS

The fire extinguishing liquid BONPET is harmless to human body. If the fire extinguishing liquid BONPET comes in contact with human skin it does not cause injuries.

When exposed to temperature above 300 °C decomposed to N₂ & CO₂.

SECTION 4: EMERGENCY INFORMATION

GENERAL INF.: Harmless for people, animals, plants and environment.

BREATHING: The liquid is not volatile (soft ammonia smell)

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SKIN CONTACT: The liquid is not aggressive. (Washed out with water)
EYE CONTACT: Washed out water.

Should the fire extinguishing liquid BONPET come into contact with human skin or eyes it must be washed out with clean water. The fire extinguishing liquid BONPET is harmless for breathing.

SECTION 5: FIRE PROTECTION INFORMATION

BONPET fire extinguishing liquid is not flammable under any circumstances. The fire extinguishing liquid BONPET is not flammable and does not cause fire. The instruction to use, are enclosed to each BONPET ampoule.

SECTION 6: INFORMATION FOR A CASE OF ACCIDENTAL SPILLING

The fire extinguishing liquid BONPET is harmless to the environment. It is not hazardous if spilt near a fire since it is inflammable.

PEOPLE Washed out with water where comes into the skin contact

ENVIRONMENT Washed out with the water

CLEANING Washed out with the water

SECTION 7: HANDLING AND STORING

The fire extinguishing liquid BONPET must be stored in well closed containers and ampoule. The storage does not require any special ventilation equipment or warehouses.

STORAGE: In the warehouses not warmer then 60°C.

PACKAGING: Plastic, metal or glass containers which could be hermetical sealed.

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SECTION 8: CONTROL OF EXPOSURE / PERSONAL PROTECTION

There is no need for additional safety precautions or protection clothing for personnel and for the users because the fire extinguishing liquid BONPET is harmless even in case of prolonged exposure.

The protective equipment is not required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

The physical and chemical properties are:

Appearance:	lightly coloured liquid
Smell:	soft ammonia smell
pH:	8 - 8.5
Density:	1.1 kg/l
Flammability:	not flammable
Solubility:	soluble in water in any relation
Freezing point	- 20 °C
Boiling point	103 °C
Flame point	NONE
Explosion level	NONE
Flammable point	NONE
Thermal decomposition	above 300 °C
Thermal decomposition	N ₂ , CO ₂ , H ₂ O

SECTION 10: STABILITY AND REACTIVITY

In the air the chemical solution will be decomposed to CO₂ and H₂O. The process of decomposition is faster with higher temperatures.

SECTION 11: INFORMATION REGARDING THE TOXICITY

The liquid is not toxic and is biodegradable.

Acute toxic	no information's
Local effects	unknown
Long-term exposure	no data available

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SECTION 12: INFORMATION REGARDING THE IMPACT ON ENVIRONMENT

The fire extinguishing liquid BONPET is environmentally friendly to the aquatic environment and to animals and plants.

SECTION 13: DISPOSAL CONSIDERATIONS

It causes no destruction and only needs washing out with water.

Empty container – after it is washed out with water it could be used for other purposes.

Unused liquid – could be disposed into drainage

SECTION 14: INFORMATION REGARDING THE TRANSPORTATION

The fire extinguishing liquid BONPET may be transported in **glass ampoules and in** plastic containers with regular means of transportation. There is no need for special marking signalling perils.

SECTION 15: REGULATORY INFORMATION

Ten years if not exposed to the air and kept in a sealed plastic container.

Ten year into the fire extinguisher ampoule BONPET.

SECTION 16: INFORMATION ON REGULATIONS

Each fire extinguishing ampoule carries a label with a serial number, instruction manuals and warranty.

SECTION 17: OTHER INFORMATION

None.

For additional information please contact your local dealer or manufacturer BONPET SYSTEMS d.o.o., Trbovlje, SLOVENIA.

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SECTION 18: SPECIFICATION OF THE AMPOULE GLASS AND OF THE LIQUID

- Ampoule: low expansion glass, heat resistant
- **Volume cca 0.6 l**
- Dimensions: 280 mm x ϕ 80 mm
- The edges present no hazard.

BONPET SYSTEMS d.o.o.,

Manager: Matej Škerbic