

SAFETY DATA SHEET



APOLON INVEST BG

Date of issue: March 16, 2020

Version: 1 BG

„*APOLO sept Forte*“

Translate from Bulgarian

Page 1 of 8

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier:

Product name: *APOLO Sept Forte*

1.2 Identified significant uses and not recommended uses of the substance or the mixture:

The biocidal product is a disinfectant with bactericidal, fungicidal (*Candida albicans*) and limited virucidal (viruses with membranes) effect, with application scope for disinfection and cleaning of small-surface, alcohol-resistant surfaces (worktops, handles, keyboards, equipment, desks, tables, etc.) in health and medical facilities, public buildings, social establishments, and households.

1.3. Details of the supplier of the safety data sheet

APOLON INVEST BG OOD (Ltd.)

Sofia, 7 Mayor Gortalov St., Sofia

Telephone: +359 2,957 63 19, e-mail: office@apoloninvest.com

1.4. Emergency telephone number

Clinic of Toxicology, University Multiprofile Hospital for Active Treatment and Emergency Medicine (UMHATEM) "N.I. Pirogov"

Phone: +359 2 9154 409 (24-hour)

poison_centre@mail.orbitel.bg; <http://www.pirogov.bg>

SECTION 2 : DESCRIPTION OF THE HAZARDS

2.1. Classification of the substance/mixture

The product is classified as hazardous in accordance with the provisions of EU Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product requires a safety data sheet in accordance with the provisions of Regulation EU 1907/2006 (REACH).

2.1.1. Classification of the substance or mixture:

Flammable Liquid, Cat. 2 (Flam. Liq. 2, H225)

Chronic aquatic hazard, Cat. 3, H412 (Aquatic Chronic 3, H412)

2.2. Label elements:

Pictogram



Signal word: Danger

Hazard warnings:

H225 Highly flammable liquid and vapour.

H412 Harmful to aquatic life with long lasting effects.

SAFETY DATA SHEET



APOLON INVEST BG

Date of issue: March 16, 2020

Version: 1 BG

„APOLO sept Forte“

Page 2 of 8

Safety recommendation:

P102 Keep out of reach of children

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Use protection goggles/protection mask.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/containers according to national regulation.

2.3. Other hazards: Based on available data, the product does not contain more than 1% substances with PBT or vPvB properties.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances: N/A

3.2 Mixtures:

<i>Identification/name:</i> CAS No./EU No.	<i>Concentration</i> <i>in %</i>	<i>Classification according to</i> <i>Regulation (EC) No. 1272/2008 (CLP)</i>
Ethyl alcohol CAS No. 64-17-5 EU No. 200-578-6 INDEX 603-002-00-5	70	Flam. Liq. 2, H225
Alkyl (C12-16) dimethylbenzylammonium chloride (ADBAC/BKC (C 12-C 16)) CAS No. 68424-85-1 EU No. 270-325-2	0.89	Acute Tox. 4, H302 Skin Corr, cat. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-phrases: see section 16 of this Safety Data Sheet.

SECTION 4 : FIRST AID MEASURES

4.1. Description of first aid measures:

INHALATION: Move the victim to the open air. In case of breathing difficulty, seek medical attention.

INGESTION: seek medical attention. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If the irritation persists, seek medical aid immediately.

No specific antidote. In case of intoxication, treat symptomatically.

SAFETY DATA SHEET



APOLON INVEST BG

Date of issue: March 16, 2020

Version: 1 BG

„APOLO sept Forte“

Page 3 of 8

4.2. Most important symptoms and effects, both acute and delayed: For symptoms and effects caused by the substances contained in the product, see section 11.

4.3. Indication of any immediate medical attention and special treatment needed:
No data available.

SECTION 5 : FIRE-FIGHTING MEASURES

5.1. Extinguishing agents

SUITABLE EXTINGUISHING AGENTS

The firefighting equipment must be of conventional type: CO₂, powder, dispersed water spray, alcohol resistant foam, and depending on the burning materials.

UNSUITABLE EXTINGUISHING AGENTS

No data available.

5.2. Special hazards arising from the substance or mixture

HAZARDS FROM EXPOSURE TO FIRE

Do not inhale the decomposition products (carbon and nitrogen oxides).

5.3. Advice for fire-fighters

GENERAL INFORMATION

Cool the containers with water spray to prevent decomposition of the product and formation of potentially hazardous substances. Always wear full firefighting equipment.

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS

Normal fire fighting clothing e.g. protective clothing for firefighters (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open-circuit compressed air breathing apparatus (BS EN 137).

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Eliminate the sources of ignition (cigarettes, flames, sparks, etc.) from the area of the leakage. Remove from the area the persons who are not adequately equipped. Wear protective gloves, clothing and eye/face protection.

6.2. Environmental protection measures

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Use inert absorbent materials to absorb the spilled product. The contaminated material must be disposed of in accordance with the provisions set out in Section 13.

6.4. Reference to other sections

Information on the personal protection equipment and the methods of disposal is given in Sections 8 and 13.

SECTION 7 : HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not eat, drink or smoke during work. Avoid contact with eyes. Use only as intended. Keep away from food, drinks and fodder. Avoid excess use.

SAFETY DATA SHEET



APOLON INVEST BG

Date of issue: March 16, 2020

Version: 1 BG

„APOLO sept Forte“

Page 4 of 8

7.2. Conditions for safe storage, including any incompatibilities

Store in places with adequate ventilation, away from direct sunlight, at temperatures below 35 ° C, away from sources of ignition. Take precautionary measures against electrostatic discharges.

7.3. Specific end use(s)

Biocide – repellent.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters /Legal information:

BG Bulgaria Ordinance 13/30.12.2003 on the protection of the workers against risks related to exposure to chemical agents at work – (prom. StG 8/30.01.2004)

Ethanol

Type	Country	8h		15min		skin
		mg/m ³	ppm	mg/m ³	ppm	
LV	EN	1000	1000			

LV - Limit values of chemical agents in the air in the working environment (Ordinance 13)

8.2 Exposure controls:

The use of appropriate technical means must always be given priority over personal protective equipment. Make sure that the workplace is well ventilated by means of effective exhausters.

Provide emergency face and eye shower.

HAND PROTECTION

Wear suitable gloves. The glove material must be impermeable and resistant to the product. For prolonged contact are suitable gloves from of butyl rubber with recommended thickness of the material: $\geq 0,7$ mm and the permeation value: level ≥ 480 min.

SKIN PROTECTION

Wear work clothing with long sleeves. Wash the body with soap and water after removing the work clothing. Wash the work clothing before re-use.

EYE PROTECTION

Wear tightly fitting safety goggles. RESPIRATORY PROTECTION

Not required during normal use.

ENVIRONMENTAL EXPOSURE CONTROLS

Emissions from production processes, including generated by ventilation, should be checked to ensure they comply with the ecological standards.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

Physical state:	liquid
Colour:	light blue
Odour:	specific
Odour threshold	N/A
pH:	7.5 - 8
Melting point/freezing point:	N/A

SAFETY DATA SHEET



APOLON INVEST BG

„APOLO sept Forte“

Date of issue: March 16, 2020

Version: 1 BG

Boiling point:	N/A
Boiling interval:	N/A
Flash point:	N/A
Evaporation rate:	N/A
Self-ignition (solid, gas):	N/A
Upper ignition limit:	N/A
Lower ignition limit:	N/A
Upper explosion limits:	N/A
Lower explosion limits:	N/A
Vapour pressure:	N/A
Vapour density:	N/A
Specific density	877 g/cm ³
Solubility:	N/A
Partition coefficient n-octanol/water:	N/A
Self-ignition temperature:	N/A
Decomposition temperature:	N/A
Viscosity:	N/A
Oxidizing properties:	none
Explosive properties:	none

9.2. Other information: -

SECTION 10 : STABILITY AND REACTIVITY

10.1 Reactivity: No risk of reaction with other substances under normal conditions of use.

10.2 Chemical stability:

The product is stable at normal conditions of handling and storage.

10.3. Possibility of hazardous reactions:

No predictable dangerous reactions under normal conditions of handling and storage.

10.4. Conditions to avoid:

Avoid overheating, direct exposure to light, heat sources and open flame. Take precautionary measures against electrostatic discharges.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products:

No data available.

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on the toxicological effects:

In the absence of experimental data on the product, the health hazards have been assessed on the basis of the properties of the substances it contains, using the classification criteria set out in the applicable legislation. Therefore, the concentration of individual hazardous substances is taken into account in the assessment of the toxicological effects of the exposure to the product.

Acute oral, dermal and respiratory toxicity - the biocide is not classified as hazardous.

Serious eye damage/eye irritation: not classified as eye irritant.

Skin corrosion/irritation: not classified as skin irritant.

Respiratory/skin sensitization: not skin sensitizing;

STOT SE, STOT RE: not classified in these hazard classes;

Germ cell mutagenicity: not classified;

SAFETY DATA SHEET



Date of issue: March 16, 2020

Version: 1 BG

„APOLO sept Forte“

Page 6 of 8

Carcinogenicity: no data on carcinogenicity, not classified;

Reproductive toxicity: not classified.

Acute effects of overexposure and accidental ingestion:

Contact with eyes may cause redness and watering. Ingestion can cause stomach pain, burning, nausea and vomiting.

SECTION 12 : ECOLOGICAL INFORMATION

The biocide has not been tested for environmental effects. The classification criteria of Regulation (EC) No 1272/2008 are used. Based on the alkyl (C12-16) dimethylbenzylammonium chloride content (ADBAC/BKC (C 12-C 16)), it is classified as Chronic Aquatic Hazard, Cat. 3

12.1. Toxicity:

Alkyl (C12-16) dimethylbenzylammonium chloride (ADBAC/BKC (C 12-C 16))

Toxicity to fish

LC50 /96h / fish = 0.515 mg/l;

Toxicity to daphnia and other aquatic invertebrates:

EC50 = 0.016 mg/l;

Toxicity to algae:

CI 50 = 0.03 mg/l;

NOEC = 0.009 mg/l;

12.2. Persistence and degradability:

Alkyl (C12-16) dimethylbenzylammonium chloride (ADBAC/BKC (C 12-C 16))

Biodegradability - readily biodegradable.

12.3. Bioaccumulative potential:

Bioaccumulation is not expected

12.4. Mobility in soil:

No data available.

12.5. Results of PBT and vPvB assessment:

Based on available data, the biocide does not contain substances with PBT or vPvB properties.

12.6. Other adverse effects:

No data available.

SECTION 13 : DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods:

The whole contents of the package must be used as intended.

Any residues of the products must be disposed of in accordance with the applicable regulations. The transport of waste may be subject to restrictions according to ADR.

SAFETY DATA SHEET



APOLON INVEST BG

Date of issue: March 16, 2020

Version: 1 BG

„APOLO sept Forte“

Page 7 of 8

Contaminated packages must be disposed of or decontaminated in accordance with national waste management regulations.

Waste classification:

(Ordinance 2/July 23, 2014 on the classification of waste ((prom. StG 66/August 08, 2014))

07 04 Wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides

07 04 04 other organic solvents, washing liquids and mother liquors

15 01 Packaging

15 01 10 packages containing residues of or contaminated by hazardous substances

The biocide waste, such as residual quantities and packaging must be temporarily collected in special tightly closed and labeled containers and handed over to the authorized persons in accordance with Art. 67 of the Waste Management Act (prom. StG 53/December 21, 2012)

SECTION 14 : TRANSPORT INFORMATION

14.1. UNNumber-1987

14.2. UN proper shipping name:

ADR / RID, IMDG, IATA: - Flammable liquid

14.3. Transport hazard class(es)

ADR / RID, IMDG, IATA: 3

14.4. Packing group

ADR, IMDG, IATA III

14.5. Environmental hazards

Chronic aquatic hazard, Cat. 3

14.6. Special precautions for user

EMS number (marine emergency measures): -

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

The information is irrelevant.

SECTION 15 : LEGAL INFORMATION

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

None.

15.2. Chemical safety assessment

The European Commission is not responsible for any use that may be made of the information contained therein.

15.3. Information on the legislation, taken into account in the drafting of the safety data sheet:

European legislation:

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of December 18, 2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

SAFETY DATA SHEET



Date of issue: March 16, 2020

Version: 1 BG

„APOLO sept Forte“

Page 8 of 8

Regulation (EU) No. 1272/2008 of the European Parliament and of the Council of December 16, 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Council Directive 76/769/EEC on the restrictions on the marketing and use of certain dangerous substances and preparations.

Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Council Directive 89/656/EEC on the minimum health and safety requirements for the use by workers of personal protective equipment at the workplace.

Directive 2008/98/EC of the European Parliament and of the Council on waste.

Directive 2000/60/EC of the European Parliament and of the Council establishing a framework for Community action in the field of water policy.

Council Directive 91/689/EEC on hazardous waste. European Parliament and Council

Directive 94/62/EC on packaging and packaging waste.

Council Directive 1999/31/EC on the landfill of waste.

National legislation:

Protection against the Harmful Impact of Chemical Substances and Mixtures Act (prom. StG 10/2000);

Environmental Protection Act (prom. StG 91/September 25, 2002);

Occupational Health and Safety Act (prom. StG 124/December 23, 1997);

Waste Management Act (prom. StG 53/July 13, 2012);

Ordinance 2/July 23, 2014 on the classification of waste (prom. StG 66/August 08, 2014);

Ordinance 13/December 30, 2003 on the protection of the workers against risks related to exposure to chemical agents at work (prom. StG 8/January 30, 2004).

SECTION 16 : FURTHER INFORMATION

Full text of hazard classes and categories and H-phrases

Text of hazard warnings (H) mentioned in Section 2 and Section 3 of this Safety Data Sheet

Flam. Liq. 2 Flammable liquid, category 2

Acute Tox. 4 Acute toxicity, category 4

Eye Dam.1 Serious eye damage/eye irritation, category 1

Skin Corr. 1B Skin corrosion/irritation, category 1B

Aquatic Acute 1 Acute aquatic hazard, category 1

Aquatic Chronic 1 Chronic aquatic hazard, category 1

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H314 Causes severe skin burns and serious eye damage.

H318 Causes serious eye damage.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Notes to user:

The use of this product is not subject to our direct control, therefore, consumers are responsible for the compliance of the use with the applicable health and safety laws and regulations. The manufacturer is relieved of all liability for improper use. Ensure that the personnel are properly trained in the handling of chemical products.

Altered data compared to the previous version: -