

MATERIAL SAFETY DATA SHEET

According to 1907/2006/EC (REACH), 2015/830/EU

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

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Version:1.0

1.1 Product identifier

ACTIVE PROTECT Universal Disinfectant liquid antibacterial

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

Relevant identified uses: Liquid intended for surface cleaning.

Uses advised against: not determined.

1.3. Details of the supplier of the Safety Data Sheet

ASGARD DAWID MICHALSKI

KRETA 6

59-220 LEGNICA

TEL + 48 508126811

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1.4 Emergency telephone numbers

112 - the emergency number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Flam Liq. 2, H225

Eye Irrit. 2, H319

2.2. Label elements



Signal word: **Danger**

Hazard statements

H225 - Highly flammable liquid and vapour.

H319 - Causes serious eye irritation.

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.

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

P337 + P313 - If eye irritation persists: Get medical advice/attention.

P501 - Dispose of contents/container to properly labelled waste containers according to national law.

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Contains ethyl alcohol.

2.3. Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII - no

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII -

Not available

Other hazards which do not result in classification - None known

SECTION 3: Composition/information on ingredients

3.1. Substances: Not applicable

3.2 Mixtures:

Compound	CAS No.	EC No.	Index numer Registration no.	% w/w	Classification according to Regulation No. 1272/2008
Ethyl alcohol	64-17-5	200-578-6	603-002-00-5 01-2119457610-43-xxxx	60,0-80,0	Flam Liq. 2, H225 Eye Irrit. 2, H319

Additional information: For full text of H statements, please refer to Section:16

SECTION 4: First aid measures

4.1 Description of first aid measures:

General comments: should be adhered these safety precautions and usage contained on the label. With the occurrence of symptoms or in cases of doubt seek medical advice.

Inhalation - Under normal circumstances, not a threat. In case of inhalation move to fresh air.

Eye contact – Remove contact lenses. Rinse eyes with cold water for 10 minutes (small water flow directed to outer side of the face - never directed to healthy eye). Seek medical attention if irritation persists.

Skin contact - Not applicable.

Ingestion - Rinse the mouth with water. To give a small amount of water to drink. Prevent vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed:

Potential acute health effects

Eye contact: burning sensation, redness

Skin contact: Not applicable

Ingestion: Ingestion of large amounts causes nausea, vomiting, abdominal pain

Inhalation: Not applicable

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing media: Do not use condensed streams of water.

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5.2. Special hazards arising from the substance or mixture:

Hazards from the substance or mixture: Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous combustion products: no data

5.3. Advice for firefighters

Special precautions for firefighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel:

Evacuate surrounding areas. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

6.1.2. For emergency responders:

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2. Environmental precautions

Due to the small volume of the package are unlikely to have harmful effects on the environment. If you spill a large amount of the product should take appropriate steps to prevent the spread of the environment. Prevent water and soil pollution, not allow to enter drains, ground and surface water. Call the appropriate emergency services.

6.3. Methods and material for containment and cleaning up

Gather up the product submitted in sealed containers to security precautions

6.4 Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

7.1.1. While use and storage observe the generally applicable safety and health at work. Avoid release to the environment

7.1.2. Not to eat and drink. Washed surfaces thoroughly rinse with water. Upon use - wash your hands.

7.2. Conditions for safe storage, including any incompatibilities

Store in the original container manufacturer in dry, ventilated rooms to sunlight at 5-35°C. Protect from freezing. Read all of this data sheet. Do not use before reading and understanding all safety precautions. Do not store with foodstuffs.

7.3. Specific end use(s): Not available.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters: The occupational exposure limit values (NDS, NDSCh, NDSP according to Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 regarding the highest permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286).

Compound	NDS (mg/m ³)	NDSCh (mg/m ³)	NDSP (mg/m ³)
Ethyl alcohol	1900	-	-

DNEL (Workers):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Ethanol	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
CAS: 64-17-5	Dermal	Non-applicable	Non-applicable	343 mg/kg	Non-applicable
EC: 200-578-6	Inhalation	Non-applicable	1900 mg/m ³	950 mg/m ³	Non-applicable

DNEL (General population):

Identification		Short exposure		Long exposure	
		Systemic	Local	Systemic	Local
Ethanol	Oral	Non-applicable	Non-applicable	87 mg/kg	Non-applicable
CAS: 64-17-5	Dermal	Non-applicable	Non-applicable	206 mg/kg	Non-applicable
EC: 200-578-6	Inhalation	Non-applicable	950 mg/m ³	114 mg/m ³	Non-applicable

PNEC:

Identification					
Ethanol	STP	580 mg/L	Fresh water	0,96 mg/L	
CAS: 64-17-5	Soil	Non-applicable	Marine water	0,79 mg/L	
EC: 200-578-6	Intermittent	2,75 mg/L	Sediment (Fresh water)	3,6 mg/kg	
	Oral	720 g/kg	Sediment (Marine water)	Non-applicable	

8.2. Exposure controls:

Appropriate engineering controls: exhaust ventilation of the room.

Individual protection measures: not required under normal conditions of use.

Eye protection: not required under normal use.

Skin protection: not required under normal use.

Respiratory protection: not required under normal use.

Body protection: not required under normal use.

Thermal hazards: No data

Environmental exposure controls: No data

Protective measures and personal hygiene: Wash hands and face after working with the mixture.

Do not eat, drink or smoke in the workplace

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance – homogeneous, clear liquid without mechanical pollution;

Odour – characteristic for used fragrance

Odour threshold - not applicable

pH (20°C) – 5,5-7,5

Melting point/freezing point - not applicable

Initial boiling point and boiling range - not applicable

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Flash point - not applicable
Evaporation rate - not applicable
Flammability (solid, gas) - not applicable
Upper/lower flammability or explosive limits - not applicable
Vapour pressure - not applicable
Vapour density - not applicable
Relative density [g/cm³] – 0,92+/-0,04
Solubility(ies) –water
Partition coefficient: n-octanol/water - not applicable
Auto-ignition temperature - not applicable
Decomposition temperature - not applicable
Viscosity - not applicable
Explosive properties - not applicable
Oxidising properties. - not applicable

9.2 Other information

No additional information

SECTION 10: Stability and reactivity

10.1 Reactivity - not applicable

10.2 Chemical stability - stable under normal conditions of pressure and temperature

10.3 Possibility of hazardous Reactions - Not known

10.4 Conditions to avoid - Avoid temperatures different from range in 7.2. Keep away from sunlight and avoid contamination.

10.5 Incompatible materials - Strong oxidizing agent, Copper

10.6 Hazardous decomposition products - For mixture - not known. May create sulphur oxide

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

FOR SUBSTANCES:

Compound	CAS No.	Portion	Value	Unit
Ethyl alcohol	64-17-5	LD ₅₀ – oral rat	7	g/kg

Acute toxicity

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

Irritation/Corrosion

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

Sensitiser

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

Mutagenicity

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

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Carcinogenicity

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

Reproductive toxicity

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

Specific target organ toxicity (single exposure)

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

Specific target organ toxicity (repeated exposure)

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

Aspiration hazard

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

Other information:

The likely routes of exposure: -

SECTION 12: Ecological information

12.1 Toxicity

For substance:

LC50 11000 mg/L (96 h) Alburnus alburnus Ryba

EC50 9268 mg/L (48 h) Daphnia magna Skorupiak

EC50 1450 mg/L (192 h) Microcystis aeruginosa Wodorost

12.2. Persistence and degradability - The surfactants contained in the mixture are consistent with the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents.

12.3. Bioaccumulative potential - No data

12.4. Mobility in soil - Product is soluble in water.

12.5. Results of PBT and vPvB - No data

12.6. Other adverse effects - no data

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

Follow the laws in force in the area. Thoroughly emptied packaging products are the subject of municipal waste collection.

Legal basis:

- The Act of 14 December 2012. on waste (Journal of Laws 2013, item 21)

- Act of 13 June 2013 on the management of packaging and packaging waste (Dz.U.2013 item 888).

SECTION 14: Transport information

According to the requirements of ADR / RID:

14.1. UN Number – UN1987

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14.2. Proper shipping name - **Alcohols, (Ethanol), n.o.s.**

14.3. Class (es) Transport - 3

14.4. Packing group - III

14.5. Environmental hazards - No

14.6. Special precautions for user - Not applicable

Special provisions: 274,601

Tunnel restriction code: D / E

Physical and chemical properties: see section 9

Limited quantity: 5 L / 30 kg

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code - Not applicable

SECTION 15: Regulatory information

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

- ⤴ REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency
- ⤴ Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 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
- ⤴ The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- ⤴ REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents
- ⤴ The Act of 25 February 2011. on chemical substances and mixtures thereof. (Dz.U. 2011, nr 63, poz. 322.), as amended
- ⤴ COMMISSION REGULATION (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- ⤴ DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives
- ⤴ COMMISSION DECISION of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council
COMMISSION DIRECTIVE 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

15.2 Chemical safety assessment
not applicable

SECTION 16: Other information

H phrases:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

Abbreviations and acronyms:

ATE = Acute Toxicity Estimate

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CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DEL = Derived effect levels

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PEC = Predicted effect concentrations

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Above information are elaborated in base of present accessible data characterizing product, experience and knowledge of the producer. They are not a part of product quality description not even a promise for specific characteristics. They should be treated as help for safe storing, using and transporting of product. However the worker is not without responsibility to. He should correctly use above information and comply with all law standards valid in this field.