

MATERIAL SAFETY DATA SHEET

Rapid Surface Cleaner „ESSENTICA PURE"

Prepared in accordance with Regulation (EC) No 1907/2006 and Regulation (EU) 2015/830

SECTION 1: Identification of the Substance/Mixture and of the Company/Enterprise

1.1 Product Identifier

Trade name: Rapid Surface Cleaner „Essentica Pure"

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

Ready-to-use alcohol-based surface cleaner. For use on small areas /up to 2 m²/

1.3 Details of the supplier of the material safety data sheet

ESSENTICA PURE LTD.

4003 Plovdiv, Northern Region,
5, Dunav Blvd.

e-mail: pure@essentica.eu

Phone: +359 32 606 900

Fax: +359 32 606 906

1.4 Emergency telephone number:

First Aid Centre in Republic of Bulgaria: UMHATEM "N.I. Pirogov"

Phone: +359 2 9154 409; +359 2 9154 233 (24 hours a day);

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

Single European Emergency Number: 112

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture according to Regulation (EC) No 1272/2008

Classification according to Regulation (EC) 1272/2008:

Flammable liquid Category 2, H225

Serious eye damage/eye irritation Category 2, H319

2.2 Label elements according to Regulation (EC) No 1272/2008

Hazard pictogram:



GHS02



GHS07

Signal word: DANGEROUS

Hazard statements:

H225 Highly flammable liquids and vapours.

H319 Causes serious eye irritation.

Precautionary statements:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of the reach of children.

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

P305 + P351 + P338 IF IN EYES: Rinse gently with water for a few 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/container in accordance with regulations.

2.3 Other hazards

Results of PBT and vPvB assessment: PBT: None; vPvB: None

SECTION 3: Composition/Information on Ingredients

3.1 Substances: not applicable

3.2 Mixtures:

Chemical name	CAS No. EC No.	Concentration (%)	Classification according to Regulation (EC) 1272/2008
Ethanol	64-17-5 / 200-578-6	63 m/m (70,21 v/v)	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Water	7732-18-5 / 231-791-2	to 100 m/m	-

For full text of H statements see section 16.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

If inhaled: Take the injured person out into the fresh air. If he/she does not recover quickly, transport him/her to the nearest medical facility for further treatment!

If on skin: Remove contaminated clothing immediately and wash affected area thoroughly with water! Seek medical attention if irritation persists!

If in eyes: Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist. If possible, remove contact lenses, if worn!

If swallowed: Do not induce vomiting if swallowed: transport the injured person to the nearest medical facility for further treatment!

4.2 Most important symptoms and effects, both acute and delayed

May cause eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Symptomatic treatment.

SECTION 5: Fire-fighting Measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, dry chemicals, or water spray. The product is not flammable under normal conditions of storage, application and use.

Unsuitable extinguishing agents: None known.

5.2 Special hazards arising from the substance or mixture

In case of fire, the following gases may be released: Carbon monoxide (CO); Carbon dioxide (CO₂).

5.3 Advice for firefighters

Special protective equipment: Wear self-contained breathing apparatus

Additional information

Collect contaminated extinguishing water separately. Do not dispose of in the municipal sewer system. Dispose of fire residues and contaminated fire extinguishing water in accordance with local regulations and authorities.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment. Avoid contact with skin and eyes. See SECTIONS 7 and 8 for additional safety precautions.

6.2 Environmental precautions:

Do not allow the product to enter water sources.

Collect contaminated extinguishing water separately. Do not dispose of in the municipal sewerage system.

6.3 Methods and material for containment and cleaning up

Limit spillage by using suitable absorbent material (sand, diatomaceous earth, acid binders, and universal sorbents). Ensure that the waste is collected in suitable containers for recycling or disposal.

Ventilate the contaminated room.

6.4 Reference to other sections

See SECTION 8 for exposure control information and personal protective equipment

See SECTION 13 for waste disposal information.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Act in accordance with the legislation regarding the prevention of production risks. Keep packages closed. Dispose of spills and debris in a safe way (SECTION 6). Avoid leaks from packaging. The product is not flammable under normal conditions of storage, application, and use. Do not eat or drink while working. Wash hands before breaks and after work. Avoid contact with skin and eyes. Do not reuse empty packages before cleaning. See SECTION 8 for protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Avoid heat sources and contact with food. For more information, see SECTION 10.

Requirements to be met by storerooms and receptacles:

Unsuitable packaging material: no information.

Information about storage in one common storage facility:

Keep away from nutrients and feed.

Further information about storage conditions:

Keep packages tightly closed.

Recommended storage temperature: 5 - 25 °C.

7.3 Specific end use(s): Apply directly to the skin without rinsing.

Additional information about design of technical systems: No further data; see Section 7.

SECTION 8: Exposure Controls/Personal Protection

8.1 Control parameters

Ordinance No. 13 of 30th December 2003 on the protection of workers from risks related to exposure to chemical agents at work (amended and supplemented, SG No. 73 of 4th September 2018): Limit values of chemical agents in the air of the working environment:

No.	Chemical agent	CAS No	Limit values					Note
			8 hours			15 min		
			mg/m ³	fibres/cm ³	ppm	mg/m ³	ppm	
1.	Ethyl alcohol	64-17-5	1000					

Additional information: The data provided is based on the information valid at the time of issuing the document.

8.2 Exposure controls:

8.2.1 Appropriate engineering controls – no specific measures provided

8.2.2 Individual protection measures:

Personal protective equipment

General protective and hygienic measures:

Observe the usual precautions when handling chemicals.

Respiratory protection:

Not required if the room is well ventilated.

Hand protection:

In case of prolonged contact: Protective gloves against minor risks.

The glove material has to be impermeable and resistant to the substance/preparation. When choosing a glove material, consider the time of penetration, the degree of penetration and the degree of decomposition of the glove material caused by the substance. After using gloves, wash your hands with detergents, and use cosmetics to protect your skin.

Glove material

The choice of suitable gloves depends not only on the material from which they are made, but also on other quality characteristics of the product, and varies from manufacturer to manufacturer.

Normal or minimum wear time of glove material:

The exact time of penetration of the substance through the glove material must be specified by the manufacturer of the protective gloves and must be observed. Change gloves if there is any sign of surface damage. For long periods of exposure to the product in professional/industrial use, it is recommended to use CE III gloves according to EN 420 and EN 374.

Eye protection: Safety glasses against splashes of liquids.

Body protection: Protective work clothing.

8.2.3 Environmental exposure control - no specific measures envisaged.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance:	liquid
Colour:	colourless
Smell:	ethanol
Smell limit:	not specified
pH:	8.0 –9.6
Melting point/freezing point:	not applicable
Boiling point and boiling range:	not specified
Flash point:	not specified
Evaporation rate:	not specified

Upper/lower flammability or explosion limit:	not specified
Vapour pressure:	not specified
Density of vapour:	not specified
Relative density:	0.8876 –0.8836
Solubility in water:	soluble
Viscosity:	not specified
Explosive properties:	not specified
Oxidizing properties:	not specified

9.2 Other information:

None.

SECTION 10: Stability and Reactivity

10.1 Reactivity

No hazardous reactions are expected if the technical storage instructions for chemical products are observed. See SECTION 7.

10.2 Chemical stability

Thermal decomposition/conditions to be avoided: Chemically stable under the conditions of storage, handling and use specified in the technical specification.

10.3 Possibility of hazardous reactions:

No hazardous reactions known.

10.4 Conditions to avoid:

Avoid contact with alkaline, oxidizing and reducing agents.

10.5 Incompatible materials:

Avoid oxidizing substances.

10.6 Hazardous decomposition products:

See SECTION 5 for hazardous combustion products.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects:

No experimental information is available regarding the toxicological properties of the mixture

Toxicological information on the main ingredients of the product:

Acute toxicity

Ethanol, denatured

LD50 oral, rat:> 2000 mg/kg; Method: OECD 401

LD50 dermal, rabbit:> 2000 mg/kg; OECD 402

LC50 inhalation, mouse:> 20 mg/l; 4 hours.

Skin corrosion/irritation: None known.

Serious eye damage/irritation: Causes eye irritation.

Respiratory or skin sensitization: None known.

Carcinogenicity, mutagenicity, and reproductive toxicity:

Embryonic cell mutagenicity: Based on available data, the classification criteria are not met.

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

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

Mild to chronic toxicity:

Organ-specific toxic effects -single exposure: Based on available data, the criteria for classification of the mixture are not met.

Organ-specific toxic effects -repeated exposure: Based on available data, the criteria for classification of the mixture are not met.

Aspiration hazard: Based on available data, the criteria for classification of the mixture are not met.

SECTION 12: Environmental Information

12.1 Toxicity

Experimental information concerning the ecotoxicity of the mixture is not available.

Ethanol

Toxicity to fish:

LC50:> 100 mg/l; 48h; Species: *Leuciscus idus* (ide fish) static test; Method: OECD 203.

Toxicity to daphnia and other aquatic invertebrate:

LC50:> 100 mg/l; 24 h; Species: *Daphnia magna* static test, Method: OECD 202.

Toxicity to algae:

EC50: > 100 mg/l; Species: *Chlorella pyrenoidosa* (green algae) static test.

12.2 Persistence and degradability:

Ethanol, denatured

Biodegradability.

> 70%; est period: 5 Days; Method: OECD 301D Readily biodegradable.

12.3 Bioaccumulative potential: No information available

12.4 Mobility in soil: No information available

12.5 Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvT: Not applicable.

12.6 Other adverse effects: -

SECTION 13: Waste Disposal

13.1 Waste treatment methods

Recommendations:

Recycle if possible. Do not empty into sewerage system or the environment. Waste must be

classified in accordance with the European Waste Catalogue, which is based on the determination of the source of waste generation.

Uncleansed packaging

Recommendations: Dispose of in accordance with the instructions of the competent authorities.

SECTION 14: Transport Information

ADR / RID / IMDG / IATA

14.1 UN list number	UN 1170
14.2 Exact name of the shipment on the UN list	ETHANOL SOLUTION
14.3 Transport hazard class (es)	3
14.4 Packing group	II
14.5 Environmental hazards	None
14.6 Special precautions for user	None
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:	Not applicable.

SECTION 15: Transport Information

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

European legislation

Substances included in the Candidate list for authorization under Regulation (EC) 1907/2006 (REACH): does not contain

Substances included in Annex XIV of REACH (authorization list): does not contain

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer: does not contain

Regulation (EC) No 648/2004 on detergents:

According to this Regulation, the product complies with the following: The surfactants contained in this mixture meet the biodegradability criteria as laid down in Regulation (EC) No 648/2004 on detergents. The data on which this claim is based are available to the competent authorities of the Member States and will be provided upon direct request or on request.

Content labelling:

Ethanol

Restrictions on the market and use of certain dangerous substances and mixtures (Annex XVII of REACH, etc.): none

National legislation

Law on Protection from the Harmful Impact of Chemical Substances and Mixture - *amended, No. 61 of 25.07.2014, in force since 25.07.2014.*

Law on Environmental Protection - *amended and supplemented, No. 62 of 14.08.2015, in force since 14.08.2015*

Health and Safety at Work Act - *amended and supplemented, SG No. 79 of 13.10.2015*

Waste Management Act - *amended by Decision No. 11 of 10.07.2014 of the Constitutional Court of the Republic of Bulgaria - No. 61 of 25.07.2014*

Ordinance on prevention of major accidents with dangerous substances and for limitation of their consequences - *promulgated SG, No. 76 of 05.10.2012 Ordinance on the procedure and manner of classification, packaging and labelling of chemical substances and mixtures - SG no. 68 of 10.08.2010.*

Ordinance No. 2 of 23.07.2014 on waste classification Issued by the Minister of Environment and Water and the Minister of Health - *promulgated, SG No. 66 of 08.08.2014.*

Ordinance No. rd-07-4 of 15.06.2015 on improving the working conditions of pregnant workers and workers who have recently given birth or are breastfeeding – *promulgated, SG No. 46 of 23.06.2015.*

Ordinance No. 46 of 30.11.2001 on the transport of dangerous goods by rail - *amended and supplemented, SG No. 24 of 31.03.2015.*

Ordinance No. 40 of 14.01.2004 on the terms and conditions for the carriage of dangerous goods by road - *amended and supplemented, SG no. 87 of 04.10.2013, in force since 04.10.2013.*

Ordinance No. 18 of 04.03.1999 for safe transport of dangerous goods by air - *promulgated, SG No. 25 of 19.03.1999;*

Ordinance on the procedure and manner of storage of hazardous chemical substances and mixtures – *SG No. 43 of 07.07.2011;*

Ordinance No. 13 of 30.12.2003 on the protection of workers from risks related to exposure to chemical agents at work – *amended SG No. 71 of 01.09.2006.*

15.2 Safety assessment of the chemical or mixture:

No safety assessment has been made for the mixture.

SECTION 16: Other Information

Abbreviations and acronyms:

GHS: Global Harmonized System of Classification and Labelling of Chemicals

CLP: Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service, a division of the American Chemical Society

CMR: Carcinogenic, mutagenic and toxic to reproduction (substance)

LC50: Mean lethal concentration for 50% of members for the test population

LD50: Mean lethal dose for 50% of members for the test population

PBT: Persistent, bioaccumulative and toxic

vPvB: Very persistent and very bioaccumulative

DNEL: Derived no-effect level

DMEL: Derived minimal-effect levels

PNEC: Predicted No-Effect Concentration.

SVHC: Substance of very high concern

TWA: A time-weighted average for a reference period of eight hours.

List of relevant phrases (code and full text as given in Chapters 2 and 3)

Flam.Liq.2 Flammable liquids, hazard category 2, H225 Highly flammable liquid and vapour.

Eye Irrit. 2 Serious eye damage/eye irritation 2, H319 Causes serious eye irritation.

Basic references and data sources in the literature –

Regulation (EC) No. 1907/2006 (REACH)

Regulation (EC) No. 1272/2008 (CLP, EC GHS)

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities.

<http://esis.jrc.ec.europa.eu>

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Training tips:

Minimum training of personnel working with this product is recommended in order to facilitate the understanding and interpretation of this safety data sheet and the labelling of the product.