



SAFETY DATA SHEET

According to Regulation (EC) No 1907/2006

Section 1: Identification of the substance / mixture and of the company / undertaking

1.1 Product Identifier

Trade name: *GraboSept*
Name of the substance / mixture: Disinfectant mixture containing ethanol

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

Recommended use: **Biocidal mixture. Hand (skin) disinfectant.**
The mixture should be used in a concentrated, undiluted form
Restrictions on use: **Not known**

1.3 Details of the supplier of the safety data sheet

Manufacturer company name: **Graboplast Zrt.**
Address: H-9023 Győr
Fehérvári út 16./b.
Hungary
mail@graboplast.hu
Tel.: +36 96 506 100
Responsible department: R&D Directorate
zoltan.meszáros@graboplast.hu

1.4 Emergency telephone number

Health Toxicology Information Service (ETTSz)
1096 Budapest, Nagyvárad tér 2.
+36 80 201 199 (toll-free green number, 24-hour duty)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the product: mixture

(Classification according to Regulation (EC) No 1272/2008)

Most important adverse effects:

Human health: Eye Irrit. 2.; H319 - Eye irritation, category 2
Physical and chemical hazards: Flam. Liq. 3.; H226 - Flammable liquid and vapour, category 3
Possible environmental effects: No ecotoxicological data is available for the mixture, see section 12 for component data.



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2.2. Label elements

Label in accordance with Regulation (EC) No 1272/2008

Hazard pictograms:



Signal Word:

Danger

Hazard statements:

H225 Flammable liquid and vapour.
H319 Causes serious eye irritation.

Precautionary statements – Prevention:

P210 Keep away from heat / sparks / open flames / hot surfaces. Smoking is permitted.
P233 Keep container tightly closed.
P240 The container and receiving container must be grounded / reconnected.
P241 Use explosion-proof electrical / ventilating / lighting /... / equipment.
P242 Non-sparking devices should be used.
P243 Precautions must be taken to prevent electrostatic discharge.

Precautionary statements - Response:

P370 + P378 In case of fire: extinguish with carbon dioxide / extinguishing powder / water spray / alcohol-resistant foam
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easily possible. Continue rinsing.
P337 + 313 If eye irritation persists: Get medical advice / attention.

Precautionary statements - Storage:

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

Precautionary statements - Disposal:

P501 Disposal of contents / container: dispose of as hazardous waste.

2.3. Other hazards

Not known under intended use.

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Section 3: Composition/information on ingredients

3.1. Substances not applicable

3.2. Mixtures

Substances in the mixture:

Name	CAS number	EC number/ EU Index-number	Classification Regulation (EC) No 1272/2008		Concentration range
Ethyl alcohol	64-17-5	200-578-6/ 603-002-00-5	Flam. liq. 2 Eye Irrit. 2	H225 H319	70-73 %

See Section 16 for the full text of the H statements and abbreviations declared.

The other components of the mixture are not considered to be hazardous substances according to the legislation in force, or their concentration in the mixture does not reach the level above which their presence must be indicated or taken into account in the hazard classification.

Section 4: First aid measures

4.1. Description of first aid measures

Medical intervention:

In case of persistent symptoms, consult a doctor and show the safety data sheet.

In case of ingestion:

If the victim is conscious, rinse his mouth. If the end-product has entered the gastrointestinal tract, carefully make the injured person drink plenty of water. Do not give anything orally to an unconscious patient! Do not induce vomiting artificially! A doctor must be called to the scene immediately.

In case of eye contact:

Remove contact lenses, then flush eyes with plenty of water, also under the eyelids, for at least 15 to 20 minutes, holding the eyelids apart. In case of persistent symptoms, consult a specialist and show the safety data sheet.

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

No data are available for the mixture.

See Section 11 for information on ingredients.

4.3. Indication of any immediate medical attention and special treatment needed

In case of accidental ingestion, eye contact or other problems, seek medical advice immediately.

Special equipment to be kept at the workplace: Not required.

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Section 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide, fire extinguishing powder, water spray, alcohol-resistant foam

Unsuitable extinguishing media: Water jet

5.2. Special hazards arising from the substance or mixture

Special risk: No

Specific hazards during firefighting: No

5.3. Advice for firefighters

Protective gear:

No special equipment required, use self-contained breathing apparatus if necessary. Do not breathe combustion gases.

Other information:

Not known.

Flammability classification:

Highly flammable

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

In the event of havaria level contamination, cleaning may only be carried out by a trained person, during which appropriate personal protective equipment (see Section 8) must be worn. Adequate ventilation must be provided. Keep away from sources of ignition - No smoking. In case of vapour / smoke / aerosol formation use suitable respiratory equipment and protective clothing. Avoid contact with skin, eyes and body by using appropriate technology and personal protective equipment.

6.2. Environmental precautions

In case of release, the chemical escaping from the container should be surrounded by a protective barrier or confined with an inert material (e.g. sand, dry soil, neutral absorbent), soaked up, the contaminated absorbent should be collected and transported into a closed container. Stop spillage if it is safe to do so. Spilled material must not be allowed to enter surface water, ground water or drains. Way of disposal is as hazardous waste. Infiltration into soil should be avoided. If the product contaminates a river, lake or sewer, or a large amount has been released, notify the authority.

6.3. Methods and material for containment and cleaning up

Spilled material must be surrounded by a protective barrier. Spills should be contained and collected and soaked up with non-flammable, inert, absorbent material (e.g. sand, soil, rock-meal) and placed in a closed container for disposal according to local / national regulations (see section 13). After complete collection of the material, wash the contaminated area.

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6.4. Reference to other sections

See Section 7 for safe handling.

See Section 8 for personal protection equipment.

See section 13 for disposal information.

Section 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling:

Comply with the general rules of occupational safety and hygiene for the handling of chemical and flammable substances. Keep away from substances that cause violent chemical reactions (see Section 10). Use personal protective equipment. Avoid spilling the material. All ignition sources should be removed from the vicinity and containers should be kept closed when not in use. Good ventilation must be provided and electrostatic charging must be prevented. Do not mix with other cleaning and disinfecting agents!

Health precautions:

Eye contact should be avoided. Smoking, eating and drinking should be prohibited in the area of application.

7.2. Conditions of safe storage, including any incompatibilities

Storage: Store in original, unopened packaging, protected from sunlight, radiant heat and ignition sources, in a dry cool place, away from food and oxidizing agents. Keep out of reach of children. Keep containers closed until use, close containers that have already been opened carefully after use and keep them with the opening facing up to prevent leakage. The product retains its quality for 1 year from the production.

7.3. Specific end use(s)

The uses specified in Section 1 and 2.

Section 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains the following ingredients which are covered by ITM Regulation 5/2020 (II. 6.) on the protection of the health and safety of workers exposed to chemical agents and they have occupational exposure limit values for the concentration limits of hazardous substances measured in the air at the workplace.

Components: Ethyl alcohol (CAS: 64-17-5)

Permissible average concentration (TWA): 1900 mg/m³

Permissible peak concentration (STEL): 3800 mg/m³

Permissible limit values for biological exposure indicators:

In urine No prescribed limit

In blood No prescribed limit

DNEL No prescribed limit

8.2. Exposure controls

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Appropriate technical inspection:

Technical actions to promote safe work take precedence over the use of personal protective equipment.

Appropriate technical actions:

Ensure adequate ventilation. When working on board (in a tank or pool), breathable air must be provided and / or self-contained breathing apparatus must be worn.

Individual protection measures, such as personal protective equipment:

No personal protective equipment required when the product is used properly and for its intended purpose.

In other cases:

- a) Advice to protect the respiratory tract: In case of insufficient ventilation, wear suitable respiratory equipment. In lower concentrations Gas mask with filter insert, in high concentrations fresh air respiratory protection is mandatory.
- b) Eye and face protection advice: Tightly fitting safety goggles. If there is a risk of splashing, it is recommended to wear safety goggles or a face shield with side protection number 5 according to MSZ EN 166.

Environmental exposure controls:

General advices:

Do not flush into surface water or sanitary sewer system. If the product contaminates rivers, lakes, sewers, notify the competent authority. Infiltration into soil should be avoided. Eating, drinking and smoking shall be prohibited during use. Disinfection of electrical equipment can only be done after unplugging.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- a) External characteristics:
- | | |
|--------------|-------------------|
| Consistency: | liquid |
| Colour: | colourless / blue |
- b) Odour: characteristic
- c) Odour threshold: not determined for the mixture
- d) pH: not determined for the mixture
- e) Melting point / freezing point: not determined for the mixture
- f) Initial boiling point / boiling range: not determined for the mixture
- g) Flash point: 35 – 40 °C
- h) Evaporation rate: not determined for the mixture
- i) Flammability (solid, gas): Highly flammable
- j) Upper / lower flammability or explosive limits:
- | | |
|------------------------|--------------------------------|
| Upper explosion limit: | not determined for the mixture |
| Lower explosion limit: | not determined for the mixture |
- k) Vapour pressure: not determined for the mixture
- l) Relative vapour density: not determined for the mixture
- m) Density: not determined for the mixture



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n) Water solubility:	the mixture is miscible with water
o) Partition coefficient: n-octanol / water:	not determined for the mixture
p) Auto-ignition temperature:	not determined for the mixture
q) Decomposition temperature:	not determined for the mixture
r) Viscosity:	not determined for the mixture
s) Explosive properties:	Vapours may form explosive mixture with air
t) Oxidizing properties:	not determined for the mixture

9.2. Other information

No further information is available.

Section 10: Stability and reactivity

10.1. Reactivity

Ethanol reacts violently with strong oxidants, strong reducing agents, acids, acid anhydrides, alkali metals, peroxides.

10.2. Chemical stability

The substance is stable under normal conditions.

10.3. Possibility of hazardous reactions

Causes fire or explosion on strong oxidants, alkali metals and earth metals.

10.4. Conditions to avoid

Keep away from strong heat. Protect against electrostatic charge.

10.5. Incompatible materials

Alkali oxides, oxidizing agents, alkali and earth metals.

10.6. Hazardous decomposition products

No decomposition under normal storage conditions.

Section 11: Toxicological information

11.1. Information on toxicological effects

Mixture

No targeted toxicological studies were performed on the mixture. The human health assessment was made solely on the basis of its composition, the toxicological data for each component, ie the concentrations and classifications given in Section 3, and the concentration limits of Regulation (EC) No 1272/2008.

Acute toxicity data:	Not determined for the mixture
Skin corrosion / Irritation:	Not determined for the mixture
Eye damage / eye irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	Not determined for the mixture
Germ cell mutagenicity:	Not determined for the mixture
Carcinogenicity:	Not determined for the mixture
Reproductive toxicity:	Not determined for the mixture
Specific target organ toxicity - single exposure:	Not determined for the mixture
Specific target organ toxicity - repeated exposure:	Not determined for the mixture
Aspiration hazard:	Not determined for the mixture



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Information on the hazard statement (ethyl alcohol):

General description:	If swallowed in large quantities, nausea and vomiting. After absorption: dizziness, intoxication, dizziness, respiratory paralysis.
Acute toxicity data:	LD50 (oral, rat): 7060 mg/kg, LD50 (inhalation, rat): 95.6 mg/l/4h
Acute oral toxicity:	Nausea, vomiting. Absorption.
Acute dermal toxicity:	Degreasing effect, formation of rough, cracked skin.
Acute inhalation toxicity:	Mucosal irritation, drowsiness. Absorption
Skin corrosion / irritation:	No irritating effect.
Eye damage / eye irritation:	Mild irritation on contact with eyes.
Respiratory or skin sensitization:	None known.
Germ cell mutagenicity:	Not mutagenic based on available information.
Carcinogenicity:	None known.
Reproductive toxicity:	Animal studies have not shown teratogenic effects.
Specific target organ toxicity - single exposure:	The mixture contains no ingredient classified as specific target organ toxicant.
Specific target organ toxicity, repeated exposure:	Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard:	Inhalation of vapours may cause mucosal irritation.

Section 12: Ecological information

No targeted ecological studies were performed on the mixture. It has been assessed solely on the basis of its composition, the toxicological data for each component, ie the concentrations and classifications given in Section 3, and the relevant requirements of Regulation (EC) No 1272/2008.

Information on the hazard statement (ethyl alcohol):

General description:	Biodegradable immediately. May be harmful to aquatic organisms in high concentrations.
12.1. Toxicity:	
Toxicity to fish:	LC50 (Leuciscus idus): 8140 mg/l/48h
Toxicity to daphnia and other aquatic invertebrates:	EC5 (E. sulcatum): 65 mg/l/72h (EtOH)
Toxicity to algae:	IC5 (Scenedesmus quadricauda): 5000 mg/l/7d
Toxicity to bacteria:	EC5 (Pseudomonas putida): 6500 mg/l/16h (EtOH)
12.2. Persistence and degradability:	Readily biodegradable.
12.3. Bioaccumulative potential:	Bioaccumulation is not expected (log P o/v)<1
12.4. Mobility in soil:	No information available.
12.5. Results of PBT and vPvB assessment:	P B T / vP vB test not performed because chemical safety assessment is not required or has not been performed.
12.6. Other adverse effects:	The mixture and its residues must not be allowed to enter drains, water courses or the soil.



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Section 13: Disposal considerations

Product specifications: Residues of the substance are considered hazardous waste.
Packaging requirements: Contaminated (empty) packaging should be handled in the same way as the product.

13.1. Waste treatment methods:

Waste treatment regulations: Waste must be disposed in accordance with the Waste Directive 2008/98 / EC and other national and local regulations. It can be destroyed with the help of a specialized business organization.

Recommended waste management codes:

EWC 07-04 Wastes from the manufacture, formulation, distribution and use of biocides

EWC 15-01-10 * packaging waste containing residues of or contaminated with dangerous substances

The codes for the waste types we propose are only recommendations that may be modified by the conditions of the waste, so that a new classification may be required.

Section 14: Transport information

During transport, the compatibility of the product with other materials and packaging regulations must be taken into account.

14.1. UN-number: 1170
14.2. UN proper shipping name: Ethanol solution (Ethyl alcohol solution)
14.3. Transport hazard class(es): 3
Classification code: F1
14.4. Packing group: III
14.5. Environmental hazards: Not classified as dangerous for the environment according to RID / ADR
14.6. Special precautions for user: Not known
14.7. Transport in bulk according to Annex II of Marpol and the IBC Code: It does not apply
14.8. Transport document description: UN1170 Ethanol solution (Ethyl-alcohol solution), 3, III, (D/E)
14.9. Further shipping information:
Quantity limitations: 5 L
Class: 3
Tunnel restriction code: D/E

Section 15: Regulatory information

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

Relevant laws and regulations, subject to the amendments in force at the time.

Regulation (EC) No 1907/2006 (REACH) XIV. Annex - List of substances subject to authorization:

XIV. Annex: None of the components are listed

Substances of very high concern: None of the components are listed.

SEVESO category:

The product is classified in the SEVESO category according to Government Decree 219/2011 (X. 20).

(P5.c FLAMMABLE LIQUIDS Flammable liquids of categories 2 or 3 not covered by Sections P5.a and P5.b)

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COMMUNITY LEGISLATION

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

Regulation (EC) No 1272/2008 on Classification, Labeling and Packaging of substances and mixtures (CLP)

Regulation (EU) No 528/2012 on the marketing and use of biocidal products

Regulation (EC) No 648/2004 on detergents

LABOR SAFETY

XCIII. of 1993 Act on Occupational Safety and Health and its relevant regulations

5/2020. (II. 6.) ITM Decree on the protection of the health and safety of workers exposed to chemical pathogens

CHEMICAL SAFETY

XXV. of 2000 Chemical Safety Act and related regulations

BIOCIDAL

Joint Decree 38/2003 (VII.7.) EszCsM-FVM-KvVM on the conditions for the production and placing on the market of biocidal products

316/2013. (VIII. 28.) Government Decree on certain rules for the authorization and placing on the market of biocidal products

ENVIRONMENTAL PROTECTION

XLIII of 2000 Act on Waste Management

CLXXXV of 2012 Act on Waste

CXXVIII of 2011 Disaster Protection Act and amending certain related laws

219/2011 (X. 20) Government Decree on the protection against major accidents involving dangerous substances

72/2013. (VIII. 27.) VM decree on the list of wastes

442/2012. (XII. 29.) Government Decree on packaging and waste management activities related to packaging waste

220/2004. (VII. 21.) Government Decree on the rules for the protection of surface water quality

FIRE PROTECTION

54/2014. (XII.5.) Decree of the Ministry of the Interior on the issuance of the National Fire Protection Regulations.

TRANSPORT

Annexes I and II to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Vol. I. and II.

15.2. Chemical safety assessment

No information available on the chemical safety assessment.

Section 16: Other information:

Revision of the safety data sheet: no information.



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Indications of danger category, classification in the safety data sheet and Full text of H-Statements:

H225 Highly flammable liquid and vapour.

H226 Highly flammable liquid and vapor.

H319 Causes serious eye irritation.

Explanation of key abbreviations and acronyms in the safety data sheet:

ADR / RID European Agreement Concerning the International Carriage of Dangerous Goods by Road / Regulations Concerning the International Carriage of Dangerous Goods by Rail - European Agreement concerning the International Carriage of Dangerous Goods by Road / Regulations concerning the International Carriage of Dangerous Goods by Rail

TWA	Permissible average concentration
CAS	Chemical Abstracts Service inventory number
CMR	Carcinogenic, Mutagenic or toxic to Reproduction
STEL	permissible peak concentration
CLP	classification, labelling and packaging of substances and mixtures
DNEL	Derived No Effect Level
EC50	Effective Concentration of a toxic substance at 10% mortality rate of the affected community being observed
EEC/EU	European Commission /European Union
EN	European Standard
UN	United Nations
Eye Irrit. 2	Eye irritation, category 2
EWC	European Waste Catalogue and Hazardous Waste List
Flam. Liq. 2	Flammable liquid, category 2
H	Hazard statements
LC50	50% Lethal Concentration
LD50	50% Lethal Dose
MC	maximum concentration
MSDS	Material Safety Data Sheet
N.A.	no data
P	Precautionary statements
PBT	Persistent, bioaccumulative, toxic
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
RRN REACH	registration number- REACH registration number
STOT SE 3.	Specific target organ toxicity single exposure, category 3
vPvB	very persistent and very bioaccumulative
UN number:	identification number from the UN Model Regulations

The information provided in this Safety Data Sheet is based on the present state of our knowledge and on current laws. It is intended to describe the product in good faith in terms of health and safety requirements. In all cases, the user is responsible for taking the necessary steps to comply with the regulations laid down in local regulations and legislation. The information in this safety data sheet is only a description of the safety requirements of the mixture and therefore cannot be considered as a guarantee of the properties of the mixture. We draw the attention of users to the risks arising from the misuse of the chemical.

----- END OF DATA SHEET -----