

# MATERIAL SAFETY DATA SHEET

Under Regulation No. 830/2015

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## 1. Identification of the substance/preparation and company /undertaking

### Identification of the substance/preparation:

**Product name:** Hygienium

**Use of the substance/preparation:** Antibacterial Solution 0.05L; 0.06L; 0.065L;**0.07L;0.075L;0.08L;0.085L;** 0.25L;0.3L; 0,5L; 1L; 3L; 5L

### Information on manufacturer/supplier:

#### Identificarea societății/întreprinderii:

Grande Gloria Production SA,  
Str. Tuluc Nr.1, Hala Nr.68, Biroul Nr.2 Sat Costi Comuna Vânători, jud. Galați

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## 2. Hazards identification

### Classification according to EU:

The product is classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.  
This product is classified under Regulation (EC) No 1272/2008 (CLP).

### Hazard symbols:



GHS02, Danger

### Potential health effects:

H225: Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

### Precautionary phrases:

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

P233: Keep container tightly closed.

P243: Take action to prevent static discharges.

P261: Avoid breathing dust/fume/ gas/mist/vapours/spray.

P271: Use only outdoors or in a well-ventilated area.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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.

### Hazards / adverse effects:

#### For man / health :

Contact with eyes: May cause temporary redness of the eyes.

Skin contact : No known symptoms resulting from the product .

In Inhalation: No known adverse effects.

Ingestion : No known secondary phenomena .

Environmental Hazards : Do not discharge into surface water or soil .

### Classification system:

Classification is in accordance with the European directives and the information held by the firm and with the specialty literature.

### 3. Composition/Information on ingredients:

**Chemical characterization:** The product is a preparation containing the following main components:

Nr crt.	Components		Date de identificare			Classification REGULATION (CE) NR. 1272/2008)
	Chemical description .	Conc./do -meniul de conc.	CAS number	EC Number	Index number	H phrases
1	Propan-2-ol, Izopropanol	24%	67-63-0	200-661-7	603-117-00-0	Flam. Liq.2, H225 Eye Irrit.2; H319 STOT SE3, H336
	Ethyl alcohol	75%	64-17-5	200-578-6	603-002-00-5	Flam. Liq.2 Eye Irrit.2 H225 H319
2	Clorhexidine Digluconate	0.2%	18472-51-0	242-354-0	-	Lez. oc. 1, H318 Aquatic Acute 1-H400 Aquatic Chronic 1: H410;

\*NC- not classified

#### **4. First aid measures**

**General information:** Immediately remove any clothing soiled by the product.

**After inhalation:**

There are no known adverse effects.

**After contact with skin:**

Not irritating to the skin.

**After contact with eyes:**

Immediately wash with running water for several minutes. If symptoms persist, consult a doctor.

**After swallowing:**

Rinse mouth with water. If symptoms persist, consult doctor.

#### **5. Fire fighting measures**

**Means of Extinction:**

Suitable: water jet, foam, dry chemical powder fire extinguishing steam.

**Protective equipment:**

In case of fire, wear full fire protection.

**Other information:**

Dispose of fire debris and contaminated water in compliance with regulations.

#### **6. Accidental release measures**

**Personal Precautions:**

-eliminate all possible sources of ignition (open fire, sparks); protective gloves;

Avoid breathing vapors, stay away from areas where vapors may accumulate;

Keep containers tightly closed Keep away from children.

**Environmental protection measures:**

Prevent seepage into sewage system.

**Measures for cleaning / removal:**

- In the case of leakage of small amounts of product may evaporation or absorption free with inert materials (earth, sand, textiles, etc) which will then be collected in containers Suitable for recovery or disposal. It will continuously ventilate the contaminated area without using equipment that produce sparks or electric tools.

- In the case of leakage of large amounts of product Dike affected area and will try recovery product. It will contact the authorities for emergencies.

#### **7. Handling and storage**

**Handling:**

**Information for safe handling:**

Avoid breathing vapors, contact with eyes, skin or clothing.

Wear appropriate interventions leakage or fire.

Do not smoke in storage areas or handling.

**Storage:**

**Conditions for storage and packaging:**

The product should be stored in containers / tanks tightly sealed away from any heat source, in an area well ventilated, dry and cool. Storage temperature: between 5- 20 °C.

Compatible materials: plastic, PVC, polypropylene, stainless steel.

Incompatible materials: nylon, coal, neoprene.

**Further information about storage conditions:** Keep the original packaging in a cool, well-ventilated place.

**8. Exposure controls/Personal protection**

**Exposure limits values:**

According to HG 1218/2006 product contains the following substances listed in the Annex. 1 Exposure limit values that require monitoring at workspace:

Nr.crt.	CAS No	Exposure limits max.			
		8 hours		Short time (15 min.)	
		mg/mc	ppm	mg/mc	ppm
1	Isopropyl alcohol	200	81	500	203
2	Ethyl alcohol	1900	1000	9500	5000

**Occupational exposure controls:**

**General protective and hygienic measures:**

Immediately remove contaminated clothing.

Wash hands before breaks and after work.

Avoid contact with eyes and skin.

**Full personal protective equipment:** overalls, gloves, goggles

**Respiratory protection :** When handling, avoid inhalation of vapors: Respiratory protection

**Hand protection:**

The glove material has to be impermeable and resistant to the product / the substance / the preparation.

**Glove material:** Nitrile rubber.

**Penetration time of glove material:**

The exact penetration should be determined by the manufacturer of protective gloves.

Eye protection:

Goggles.

**Skin protection:**

Wear overalls or clothing that does not allow contact with skin

**9. Physical and chemical properties**

**General Information:**

**Physical State:** liquid, transparent

**Color:** colorless

**Odor:** characteristic, alcohol

**Melting point / Melting range:** not available

**Boiling Point/ Boiling range:** not available

**Flash point:** not available

**Explosive:** The product is not explosive.

**Solubility in water:** Soluble in water

**pH at 20 C:** 6-7

## **10. Stability and reactivity**

**Conditions to avoid:** Avoid high temperatures and possible sources of fire nearby.

**Materials to avoid:** Strong mineral acids, oxidizing agents.

**Hazardous Decomposition Products:** Combustion will generate oxides of carbon.

## **11. Toxicology information**

**Toxicological information and other health effects (for the mixing):**

**Acute toxicity:** not known.

**Effect of acute exposure:**

**Irritant effects:** not known

**Corrosive effects:** not known

**Carcinogenic effects, mutagenic effects, reproductive toxicity:** not known.

**Toxicological information and other health effects for alcohol in the mixture:**

**11.1.** Acute toxicity;

- Oral: (OECD 401) equivalent; Rat LD50; 6,2- 15 gr / kgbw

- Inhalation (DECD 403) equivalent; Rat LC 50; 4 Br> 50mg / l

- Skin: dermal exfoliation by alcohol are very low.

**11.2.** Irritation / skin exfoliation;

All studies of acute exposure in 4 hours showing no irritation in animals and humans. In humans, repeated dose studies indicate no irritation with repeated application over a full day in conditions of up to 12 days. Additional exposure may cause irritation.

**11.3.** Serious eye irritation

OECD studies accordance with the guidelines generally causes moderate eye irritation. All effects disappear in 8-14 days. Level reaction: it is insufficient to make a classification under the auspices of Directive 67/548 but suffice in terms of conjunctival reaction to make a classification as a category 2 under Regulation 1272/2008 irritation

**11.4** *Respiratory or skin sensitivity*

No data available for sensitivity to breath. The classification criteria are not common

**11.5** *Germ cell mutagenicity*

Studies on bacterial mutations (OECD 471), studies in vitro mammalian cell gene mutations (OECD 476), micronuclei test (OECD 474), are all negative. Available data indicate that the classification criteria are not common.

### **11.6. Carcinogenicity**

In humans there is no evidence that repeated exposure or consumption may increase the the probability of developing cancer. From the available data the classification criteria are not common.

### **11.7 Reproductive Toxicity. Fertility**

From the available data it can be concluded that it is impossible to reach the doses of alcohol to produce reproductive repercussions other than those by oral consumption in large amounts. Therefore classification for reproductive toxicity or development in the context of chemicals is not opportune and not secured

### **11.8 STOT single exposure**

In a single exposure no effects were observed specific organs.

### **11.9 STOT- repeated exposure**

In studies in rats malnutrition; NOAEL = 1.73g / kg-3.9g / kg doses far above the levels required for classification

### **11.10. Risk of inspiration**

There is no danger of inspiration

### **11.11. Toxicogenetica**

In humans alcohol is rapidly absorbed by the oral and inhalation routes other is distributed through all tissues and organs and it is rapidly metabolized and eliminated from the body as the main route through the liver.

## **12. Informatii ecologice**

**Ecotoxicity:** not known

**Ecotoxicological and other health effects (mixing):** Not known.

**General information:** It is prohibited to discharge undiluted product into sewers.

Used as intended, this product will not cause adverse effects in the environment.

**Information on ecotoxicity for alcohol in the mixture:**

### **12.1 Toxicity**

- Fish LC50 (96hr) *Salmo gairdneri*: 13g / l; *Pimephales promelas*: 13.5, 14.2 and 15.3g / l.

- Freshwater invertebrates EC50 (48hr) *Daphnia Magna*: 12.34g / l; NOEC (21 days): > 10 mg / l. *Ceriodaphnia dubia* EC50 (48hrs): 5.012g / l; NOEC (10 days): 9.6mg / l. *Palaemonetes pugio* NOEC (10 days): 79mg / l.

- Saltwater invertebrates EC50 (24hr) *Artemia salina* 23.9, > 10g / l; EC50 (48hr) *Artemia salina* nauplii: 857mg / l

### **12.2 Persistence and degradability**

The product is rapidly degradable BOD20 = 84%. Substance is expected to degrade rapidly in treatment plants sewage.

### **12.3 Potential for bioaccumulation**

Based on separation coefficient, the substance has a low potential to bioaccumulate. **12.4 Mobilitatea in sol**  
Produsul este volatil si solubil in apa. Daca este eliberat in aer sau apa produsul se va inprastia rapid. Daca este eliberat pe sol, produsul se va evapora rapid.

### **12.4 Mobility in soil**

The product is volatile and soluble in water. If released into air or water product will inprastia quickly. If released to soil, the product will evaporate quickly.

### **12.5 Results of PBT**

- Assessing persistence; substance is readily biodegradable and therefore is neither P and no vP
- Assessment of bioaccumulation; LogKow substance <4.5 and therefore is neither B and no vB
- Assessment of toxicity; Acute aquatic toxicity (LC50 and EC50)> 0.1 mg / l.

The substance is neither mutagenic and no teratogenic.

The substance is not toxic.

### **13. Disposal consideration**

**Product:**

**Recommendation:**

Remove according to regulations.

Do not discharge into ground or surface waters .In Accidental remove material absorbent (sand or sawdust) and then wash area thoroughly with water.

**Uncleaned packaging:**

Recommendation Empty and rinse water should be removed as waste containers special collection ..

**Recommended cleansing agents: Water**

Waste disposal legislation:

Law 211/2011 on waste management

Legislation according to which the packaging of the product is removed: GD 249/2015 on how to handle packaging and packaging waste.

### **14.Informații privind transportul**

Alcohol solution is transported in accordance with the regulations on dangerous goods transport Hazard Class 3 flammable liquids.

**Nr.UN:**

ADR: UN 1170

**UN proper shipping name:**

ADR: 1170 ethyl alcohol (ethanol) in solution

**Class (es) Transport hazard:**

ADR:



**Class 3: Flammable liquids**

**Hazard: 3**

**Packaging:**

**Packing Group: II / 1 L**

**Packing group: III / 5 L**

**Classification Code: F1**

**Danger code (Kemler): 33 highly flammable liquid substance (flash point below 21 ° C.**

### **15. Regulatory information**

#### **Community/national legislation :**

-Regulamentul (EC) no. 1272/2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548 / EEC and 1999/45 / EC, and amending Regulation (EC) no.1907 / 2006;

-Regulamentul (EC) No.648 / 2004 on detergents;

-Regulamentul (EC) no.1907 / 2006 REACH;

HG no. 937/2010 on the classification, packaging and labeling in the marketing of dangerous preparations;

HG nr.1218 / 2006 establishing minimum requirements for safety and health at work to ensure the protection of workers from risks related to chemical agents;

HG nr.856 / 2002 on waste management records and approving the list of wastes, including hazardous waste;

-The Law no.211 / 2011 on waste regime.

-Regulamentul Nr.453 / 2010 with subsequent modifications

### **16. Other information's**

This information is based on our present knowledge. They are not guarantees for specific product features and shall not establish a legally binding contract.

#### **H phrases referred for ingredients:**

##### **H phrases:**

H225 Highly flammable liquid and vapor

H318 Causes serious eye damage

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H400: Very toxic to aquatic life

H410: Very toxic to aquatic life with long lasting effects

##### **Persoană de contact:**

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Ing. Chim. Jianu Iulia Alexandra



A handwritten signature in blue ink, consisting of several fluid, overlapping strokes.