

MATERIAL SAFETY DATA SHEET
According to EA Regulation 1907/2006 and EU Regulation 2015/830
ANTIBACTERIAL HAND GEL "CLEAN CO"

Date of issue: 29.04.2020

Version 1.0

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SECTION 1. IDENTIFICATION OF SUBSTANCE/ MIXTURE AND COMPANY / ENTERPRISE

1.1 Product identification:

Trade name: **ANTIBACTERIAL HAND GEL "CLEAN CO"**

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

Uses advised against: not available

Suitable Uses: biocide

1.3 Details of the MSDS provider :

NOVA TRADE LTD

4190 Saedinenie, Bulgaria

3 Shipka St.

tel.: + 359 32 /277400

E-mail: info@novatrade.bg

Vasil Georgiev Tucheв

Tel. +359 88 8873779

1.4 Emergency telephones:

National Toxicology Information Centre – General Hospital Pirogov

Tel +359 2 9154 233 (24/7); poison_centre@mail.orbitel.bg; <http://www.pirogov.bg>

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1. Classification under EU Regulation № 1272/2008 (CLP):

Flamable liquid 2 , H225

Eye Irritating 2, H319

2.1.1 Additional information: For the full text of the hazard statements and the EU hazard statements: see SECTION 16.

2.2 Label elements:

Labeling according to the Regulation (EO) №1272/2008 (CLP)

Hazards pictograms:



Signal word: Danger

Hazard statements:

H225 Highly flammable liquid and vapour

H319 Causes serious eye irritation

Precautionary Statements:

P101 If medical attention is needed, carry the package or label of the product.

P102 Keep out of the reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. Smoking is forbidden.

P233 Keep container tightly closed.

P261 Avoid the inhalation of vapors / aerosols.

P305+ P351+ P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if any, as far as possible. Continue rinsing.

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

P501 Dispose of contents / container in accordance with regulations.

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2.3 Other hazards:

Analysis results for PBT/vPvB

PBT : none

vPvB: none

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances: N.A.

3.2

3.3 Mixtures:

A mixture of the following hazard substances and non-hazard components:

Chemical name	EC №.; / CAS №.;	Concentration (% w/w)	Classification according to regulation (EO) 1272/2008
Ethanol	64-17-5 / 200-578-6	70 - 75	Flam. Liq. 2, H225 Eye Irrit. 2, H319
Triethanolamine	102-71-6 / 203-049-8	< 1.5	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT RE 2, H373

Additional information: For the full text of the hazard statements and the EU hazard statements: see SECTION 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Move the person to fresh air. If he does not recover quickly transport him to the nearest medical establishment for treatment

Skin contact: Remove all contaminated clothing immediately. Wash skin with water / shower. Consult a doctor in case irritation continues.

Eye contact: Rinse cautiously with water event under eyelids. Call an ophthalmologist if eye irritation continues. Remove contact lenses, if any and if possible.

Swallowing: If swallowed, do not induce vomiting: transport the victim to the nearest medical establishment 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:

Treat symptoms

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

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

Unsuitable extinguishing media: None known

5.2 Special hazards arising from the substance or mixture

The following gases may be released in the event of fire:

Carbon monoxide (CO)

Carbon dioxide (CO₂)

5.3 Advice for firefighters

Special protective equipment: Wear self-contained breathing apparatus.

Additional information

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Collect contaminated extinguishing water separately. Do not dispose of in the city sewer system. Dispose of residues after fire and contaminated fire extinguishing water in accordance with the instructions of the competent 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 protective measures.

6.2 Environmental precautions:

Do not allow product to reach water sources.

Collect contaminated extinguishing water separately. Do not dispose of in the city sewer system.

6.3 Methods and materials for containment and cleaning up

Limit spillage by using suitable absorbent material (sand, diatomaceous earth, acidic binders, universal sorbents).

Ensure that the waste is collected in suitable recycling or disposal containers. Ventilate the contaminated room

6.4 Reference to other sections

See SECTION 8 for information on exposure controls and personal protective equipment

See SECTION 13 for information on waste disposal

SECTION 7: HANDLING AND STORAGE

7.1. Safety precautions at work

Act in accordance with the legislation regarding the prevention of production risks. Keep packs closed. Dispose of spills and residues in safe ways (SECTION 6). Avoid packaging leaks.

The product is not flammable under normal conditions of storage, application and use.

Do not eat or drink at work. Wash hands before breaks and after work. Avoid contact with skin and eyes. Do not reuse empty packaging before cleaning. See SECTION 8 for protective equipment.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

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

Requirements for storage rooms or containers:

Unsuitable packaging material: no information available

Information on storage in a common warehouse:

Keep away from nutrients and feed

Additional information on storage conditions:

Keep the packs tightly closed.

Recommended storage temperature: 5 - 25 ° C.

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

Additional instructions for the construction of technical facilities:

No other information. See SECTION 7

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Substances with limit values that require workplace monitoring:

Ordinance No.13 of 30 December, 2003 on the Protection of Workers from the Risks Related to Exposure to Chemical Agents at Work - (amend. SG 67/17 August 2007):

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Limit values of chemical agents in the air of the working environment:

Ethyl alcohol, long-term exposure (8 hours): 1000 mg / m³

Additional information: The information provided is based on the information at the time of issue of 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 precautions and hygienic measures:

Observe the usual precautions for handling chemicals.

Respiratory protection:

Optional if the work area is well ventilated.

Hand protection:

After prolonged contact: Protective gloves against minor risks.

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

When selecting a glove material, take into account the penetration time, the degree of penetration and the degree of degradation of the glove material of the substance.

After using gloves, wash hands with cleaning products and use cosmetics to protect the skin.

Material for gloves

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

Usual or minimum wear time of the 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 when there are signs of surface damage. For long exposure periods of the product in professional / industrial use, it is advisable to use CE gloves according to EN 420 and EN 374.

Eye protection: Spray goggles

Body protection: Protective work clothing.

8.2.3. **Environmental exposure controls** - No specific measures provided.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic chemical and physical properties

General Information

Appearance

Physical state	Liquid (gel)
Color	Colorless
Odor	Ethanol
Odor threshold	Not determined
pH	Not determined
Change of physical state	
Melting point / freezing point:	N.A
Boiling point / boiling range	Not determined
Flash point	Not determined
Evaporation rate	Not determined
Flash point	Not determined
Decomposition temperature	Not determined
Auto-ignition temperature	Not determined
Danger of explosion	The product is not explosive, but explosive mixtures of vapor and air are possible.

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Lower limit	Not specified
Upper limit	Not specified
Oxidizing properties	not specified
Relative density, 20 ° C	Not determined
Vapor pressure	Not determined
Solubility in / Miscibility with Water	Soluble
Viscosity	
Dynamic	Not defined
Kinematic	
9.2 Other information	None

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: No hazardous reactions are expected if the technical instructions for storage of chemical products are followed. See SECTION 7.

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions: No dangerous reactions known

10.4 Conditions to avoid: Avoid contact with alkaline, oxidizing and reducing agents.

10.5 Incompatible materials: Avoid oxidizing agents

10.6 Hazardous decomposition products: See SECTION 5 for hazardous fire products

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

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

Toxicological information on the main ingredients of the product:

a) Acute toxicity

Ethanol, denatured

LD50 Oral, rat: - 6200 mg / kg;

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

LS50 inhalation rat: - 95.6 mg / l; 4 hours

b) Skin corrosion / irritation: Based on available data, the classification criteria are not met

c) eye damage / irritation: no cause of irritation.

d) Respiratory or skin sensitization: Based on available data, the classification criteria are not met

Carcinogenicity, mutagenicity and reproductive toxicity:

e) Germ cell mutagenicity: Based on available data, the classification criteria are not met

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

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

Low to chronic toxicity:

h) WTO single exposure: Based on available data, the classification criteria for the mixture are not met

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i) **STO - repeated exposure:** Based on available data, the classification criteria for the mixture are not met

j) **Aspiration hazard:** Based on available data, the classification criteria for the mixture are not met

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Experimental information regarding the ecotoxicological properties of the mixture is not available.

Ethanol

Fish toxicity: LC50:> 100 mg / l; 48h; Species: Leuciscus idus static test;

Method: OECD 203

Toxicity to daphnia and other aquatic invertebrates: LC50:> 100 mg / l; 24 h; Species: Daphnia magna static test, Method: OECD 202

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

12.2 Stability and degradability:

Ethanol denatured

Biodegradability.

> 70%; Test period: 5 days; Method: OECD 301D Easily 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 drains and the environment.

The waste must be classified in accordance with the European Waste Catalog, which is based on determining the source of waste generation.

Uncleaned packaging

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

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

ADR - UN1993

RID - UN1993

IMDG - UN1993

IATA - UN1993

14.2. The exact name of the shipment on the UN list

ADR - FLAMMABLE LIQUID, N.O.S. (Ethanol)

RID - FLAMMABLE LIQUID, N.O.S. (Ethanol)

IMDG - FLAMMABLE LIQUID, N.O.S. (Ethanol)

IATA - FLAMMABLE LIQUID, N.O.S. (Ethanol)

14.3 Transport hazard class (s)

ADR - 3 RID - 3 IMDG - 3 IATA - 3

14.4. Packing group

ADR - III

RID - III

IMDG - III

IATA - III

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14.5. Environmental hazards

ADR - No
RID - No
IMDG – No
IATA – No

14.6. Special precautions for users

ADR - No
RID - No
IMDG - No
IATA – No

14.7. Transport in bulk according to Annex II of MARPOL112 and the IBC Code

Not applicable

SECTION 15: REGULATORY INFORMATION

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

European Union legislation

Substances included in the candidate list of substances for authorization under Regulation (EC) 1907/2006 (REACH): not contained

Substances included in REACH Annex XIV (Authorization List): not contained
Regulation (EC) No 1005/2009 on ozone depleting substances: not contained

Regulation (EC) No 648/2004 on detergents:

According to this Regulation, the product meets 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 underlying this claim are available to the competent authorities of the Member States and will be made available on request.

Content Labeling: Ethanol

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

Special provisions for the protection of persons or the environment:

It is recommended that the information provided in this Safety Data Sheet be used as an introduction to the risk assessment of specific circumstances in order to identify the necessary measures to prevent the risks for the management, use, storage and disposal of this product.

National legislation

Law on Protection against the Harmful Impact of Chemical Substances and Mixtures - amend. Issue 61 of 25.07.2014, effective 25.07.2014
Environmental Protection Act - Am. and Suppl. Issue 62 of 14.08.2015, effective 14.08.2015,
Law on Health and Safety at Work - amended and suppl SG Issue 79 of October 13, 2015
Waste Management Act - Amend. with Decision No. 11 of 10.07.2014 of the Constitutional Court of the Republic of Bulgaria - issue 61 of 25.07.2014
Regulation for the prevention of major accidents with hazardous substances and for limiting their consequences - Prom. SG Issue 76 of October 5, 2012
Ordinance on the Procedure and Method of Classification, Packaging and Labeling of Chemical Substances and Mixtures – SG issue 68 of 10 August, 2010
Ordinance No.2 of 23July, 2014 on the classification of waste Issued by the Minister of Environment and Water and the Minister of Health – promulgated in SG, issue 66 of 08.08.2014
Ordinance No.46 of 30 November, 2001 on the Carriage of Hazardous Goods by Rail - Ammend. and Suppl. Issue 24 of March 31, 2015
Ordinance No.40 of 14 January, 2004 on the Conditions and Procedures for Carriage of Dangerous Goods by Road - amend. and suppl. Issue 87 of 4.10.2013, effective 4.10.2013
Ordinance No.18 of 4 March, 1999 on the Safe Carriage of Dangerous Goods by Air. Promulgated SG, issue 25 of 19 March, 1999;
Ordinance on the order and manner of storage of hazardous chemicals and mixtures - SG. Issue 43 of July 7, 2011,
Ordinance No.13 of 30 December, 2003 on the protection of workers from the risks associated with exposure to chemical agents at work - amend. and suppl. SG Issue 73 of 04/09/2018

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15.2 Chemical Safety Assessment: There is no Chemical Safety Assessment for the substance.

SECTION 16: OTHER INFORMATION

This information is based on our current level of knowledge at the time the document was created. However, it is not a guarantee of the specific properties of the product and does not constitute a legal basis for relations. The information provides basic guidelines for the safe handling of this product regarding its storage, processing, transportation and disposal. Data cannot be transferred to other products. Unless the product is mixed or processed with other materials, or if processed, the data in this Safety Data Sheet may not be transferred to the new material unless otherwise stated.

Acronyms and acronyms:

GHS: Global Harmonized System for Classification and Labeling of Chemicals)

CLP: Regulation (EC) No 1272/2008 on the classification, labeling 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 for reproduction (substance)

LC50: Average lethal concentration for 50% of exposed population

LD50: Average lethal dose for 50% of exposed population

PBT: Persistent, bioaccumulative and toxic substance

vPvB: Very persistent and very bioaccumulative

DNEL: Inactive dose / concentration obtained

DMEL: Minimum active concentration obtained

PNEC: Estimated inactive concentration

SVHC: A substance of very high concern

TWA: Time-weighted average (TWA) for a reference period of eight hours.

Full text of Hazard Statements referred to in Chapters 2 and 3

H225: Highly flammable liquid and vapor.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H373: May cause damage to organs through prolonged or repeated exposure.

Main references and data sources in literature

Regulation (EC) No 1907/2006 (REACH)

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

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Center, 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 the personnel who will work with this product is recommended in order to facilitate the understanding and interpretation of this safety data sheet and product labeling.

-The end-