



Safety Data Sheet dated 1/4/2020, version 1

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

1.1. Product identifier

Trade name: HYDRO-ALCOHOLIC GEL

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

Recommended use:

Hydroalcoholic gel for hand disinfection – Biocidal product PT01

General public and professional use

Uses advised against:

Do not use for purposes other than those stated in "Recommended uses"

1.3. Details of the supplier of the safety data sheet

Company:

Lodi Group - Parc d'Activités des Quatre Routes

35390 Grand Fougeray - France Tel 0033 (0) 2.99.08.48.59

Competent person responsible for the safety data sheet:

fds@lodi.fr

1.4. Emergency telephone number


European Emergency phone number : 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)

 Warning, Flam. Liq. 3, Flammable liquid and vapour.

 Warning, Eye Irrit. 2, Causes serious eye irritation.

Adverse physicochemical, human health and environmental effects:

No other hazards

2.2. Label elements

Hazard pictograms:



Warning

Hazard statements:

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

Precautionary statements:

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

P102 Keep out of reach of children.

Safety Data Sheet

HYDRO-ALCOHOLIC GEL

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

P270 Do not eat, drink or smoke when using this product.

P273 Avoid release to the environment.

P305 IF IN EYES : Rinse cautiously with water for several minutes.

P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

None

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

2.3. Other hazards

vPvB Substances: None - PBT Substances: None

Other Hazards:

No other hazards

SECTION 2: Hazards identification



SECTION 3: Composition/information on ingredients

3.1. Substances

Not available

3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

Qty	Name	Ident. Number	Classification
69.93%	Ethanol	Index number: 603_002_005 CAS: A EC: 64-17-5 200-578-6	 2.6/2 Flam. Liq. 2 H225  3.3/2 Eye Irrit. 2 H319
>= 2.5% - <10%	Glycerol [1]	Index number: 56815 CAS: 56-81-5 EC: 200-289-5	The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).

[1] Substance with occupational exposure limit values

SECTION 4: First aid measures

4.1. Description of first aid measures

In case of skin contact:

In case of irritation, wash immediately with plenty of water.

Seek medical attention if ill effect or irritation develops

In case of eyes contact:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

Refer the patient to an ophthalmologist, in particular if there is any redness, pain or visual impairment.

In case of Ingestion:

In case of swallowing, if the quantity is small (no more than a mouthful), rinse the mouth with water and consult a doctor.

Allow the victim to rest.

Do not induce vomiting.

Immediately consult a physician and show the label.

In case of Inhalation:

Safety Data Sheet

HYDRO-ALCOHOLIC GEL

In case of inhalation, breath fresh air and have a rest. In case of faintness, consult a physician and show the label.

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

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce vomiting to an unconscious person.

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

In case of fire: Use sprayed water or water mist, water with AFFF (Aqueous Film Forming Foam) additive, halon, multipurpose ABC powder, BC powder, carbon dioxide (CO₂).

Extinguishing media which must not be used for safety reasons:

In the event of a fire, do not use water jet.

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health. Do not inhale the smoke. In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

Use suitable breathing apparatus (autonomous insulating breathing apparatus)

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.

Remove all sources of ignition.

Ventilate the premises.

Spills can make surfaces slippery.

Prevent risks from inhalation of vapors.

Refer to the protective measures set out in points 7 and 8.

Remove persons to safety.;

See protective measures under point 7 and 8.

6.2. Environmental precautions

Suitable material for taking up: absorbing material, organic, sand

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Rapidly recover the product. To do so, wear a mask and protective clothing.

For cleaning up: Clean preferably with a detergent, do not use solvents.

Use some absorbent.

The elimination must be carried out by a registered salvage professional.

6.4. Reference to other sections

See also section 8 and 13

Safety Data Sheet

HYDRO-ALCOHOLIC GEL

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Wash hands after use.

Contaminated clothing should be changed and washed before use.

Ensure that there is adequate ventilation, especially in confined areas.

Follow the rules of use in terms of health and safety, taking into account flammability.

Avoid inhalation of vapors

Follow the rules of use in terms of hygiene and safety, taking into account the biocidal nature of the product.

Contaminated clothing should be changed before entering eating areas.

Do not eat or drink while working.

Wash hands after use

7.2. Conditions for safe storage, including any incompatibilities

Keep out of reach of children

Store in a dry, cool and well ventilated place. Keep the container closed and away from direct sunlight.

Keep away from sources of ignition - No Smoking.

Keep away from sources of ignition, heat and direct sunlight

Avoid the accumulation of electrostatic charges

The floor must be impermeable and form a collecting basin so that, in the event of an accidental spillage, the liquid cannot spread beyond this area

Incompatible materials:

None in particular.

Instructions as regards storage premises:

Handle in well-ventilated areas.

Vapours are heavier than air. They can spread along the ground and form mixtures that are explosive with air.

Prevent the formation of flammable or explosive concentrations in air and avoid vapor concentrations higher than the occupational exposure limits

Avoid the accumulation of electrostatic charges with earth connections.

The mixture can be electrostatically charged: always earth when transferring. Wear anti-static shoes and clothing and make floors of non-conductive material.

Use the mixture in premises devoid of any open flame or other sources of ignition, and have protected electrical equipment.

7.3. Specific end use(s)

None in particular

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Ethanol - CAS: 64-17-5

National - TWA: 1900 mg/m³, 1000 ppm - STEL: 9500 mg/m³, 5000 ppm - Notes:
FRANCE (INRS) TMP n°84

ACGIH - STEL: 1000 ppm - Notes: A3 - URT irr

Glycerol - CAS: 56-81-5

National - TWA: 10 mg/m³ - Notes: France

Safety Data Sheet

HYDRO-ALCOHOLIC GEL

DNEL Exposure Limit Values

Not available

PNEC Exposure Limit Values

Not available

8.2. Exposure controls

Eye protection:

Avoid contact with eyes

Glasses against liquid projections

Security glasses according to "Norme NF EN166"

Face protection shield.

Protection for skin:

After contact with the product, all parts of the body that have been soiled must be washed

Wash clothing regularly

Protection for hands:

Use on healthy skin.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties	Value	Method:	Notes:
Appearance and colour:	Fluid liquid, colourless	--	--
Odour:	Not available	--	--
Odour threshold:	Not available	--	--
pH:	Not available	--	--
Melting point / freezing point:	Not available	--	--
Initial boiling point and boiling range:	82°C	--	--
Flash point:	23 ° C	--	--
Evaporation rate:	Not available	--	--
Solid/gas flammability:	Not available	--	--
Upper/lower flammability or explosive limits:	Not available	--	--
Vapour pressure:	Below 110kPa (1.10 bar)	--	--
Vapour density:	Not available	--	--
Relative density:	<1	--	--
Solubility in water:	Diluable	--	--
Solubility in oil:	Not available	--	--
Partition coefficient (n-octanol/water):	Not available	--	--

Safety Data Sheet HYDRO-ALCOHOLIC GEL

Auto-ignition temperature:	400°C	--	--
Decomposition temperature:	300°C	--	--
Viscosity:	Not available	--	--
Explosive properties:	Not available	--	--
Oxidizing properties:	Not available	--	--

9.2. Other information

Properties	Value	Method:	Notes:
Miscibility:	Not available	--	--
Fat Solubility:	Not available	--	--
Conductivity:	Not available	--	--
Substance Groups relevant properties	Not available	--	--

SECTION 10: Stability and reactivity

10.1. Reactivity

It may generate dangerous reactions (See subsections below)

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7

10.3. Possibility of hazardous reactions

When exposed to high temperatures, the mixture can release hazardous decomposition products, such as carbon monoxide and dioxide, fumes and nitrogen oxide.

10.4. Conditions to avoid

Any apparatus likely to produce a flame or to have a metallic surface at high temperature (burners, electric arcs, furnaces etc.) must not be allowed on the premises.

Avoid heating, heat, accumulation of electrostatic charges, flames and hot surfaces

10.5. Incompatible materials

Strong oxidising agents/Strong acids

10.6. Hazardous decomposition products

The thermal decomposition may release/form : carbon monoxide (CO), carbon dioxide (CO₂)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicological information of the product:

Not available

Adverse health effects

May cause reversible effects on the eyes, such as eye irritation which is fully reversible beyond an observation period of 21 days.

Splashes in the eyes may cause irritation and reversible damage.

Toxicological information of the main substances found in the product:

Not available

If not differently specified, the information required in Regulation (EU)2015/830 listed below must be considered as N.A.:

- a) acute toxicity;
- b) skin corrosion/irritation;
- c) serious eye damage/irritation;

Safety Data Sheet

HYDRO-ALCOHOLIC GEL

- d) respiratory or skin sensitisation;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) STOT-single exposure;
- i) STOT-repeated exposure;
- j) aspiration hazard.

SECTION 12: Ecological information

12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
Not available

12.2. Persistence and degradability

Not available

12.3. Bioaccumulative potential

Not available

12.4. Mobility in soil

Not available

12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

12.6. Other adverse effects

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.

Additional disposal information:

Dispose of contents/container in accordance with applicable regulations.

SECTION 14: Transport information

14.1. UN number

ADR-UN number: 1170

14.2. UN proper shipping name

ADR-Shipping Name: UN1170= ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)

14.3. Transport hazard class(es)

ADR-Class: 3
ADR-Label: 3
IATA-Class: 3
IMDG-Class : 3

14.4. Packing group

Safety Data Sheet

HYDRO-ALCOHOLIC GEL

ADR-Packing Group: III
IATA-Packing group: III
IMDG-Packing Group: III

14.5. Environmental hazards

14.6. Special precautions for user

ADR-Transport category (Tunnel restriction code): D/E

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

Not available

SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) 2015/830
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)

Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/699 (ATP 11 CLP)

Restrictions related to the product or the substances contained according to Annex XVII

Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:

Restriction 3

Restriction 40

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)
Regulation (EC) nr 648/2004 (detergents).
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):

Seveso III category according to Annex 1, part 1
Product belongs to category: P5c

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out for the mixture.

SECTION 16: Other information

Safety Data Sheet

HYDRO-ALCOHOLIC GEL

Full text of phrases referred to in Section 3:
 H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.

Hazard class and hazard category	Code	Description
Flam. Liq. 2	2.6/2	Flammable liquid, Category 2
Flam. Liq. 3	2.6/3	Flammable liquid, Category 3
Eye Irrit. 2	3.3/2	Eye irritation, Category 2

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification according to Regulation (EC) Nr. 1272/2008	Classification procedure
Flam. Liq. 3, H226	On basis of test data
Eye Irrit. 2, H319	Calculation method

This document was prepared by a competent person who has received appropriate training.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
 SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
- ATE: Acute Toxicity Estimate
- ATEmix: Acute toxicity Estimate (Mixtures)
- CAS: Chemical Abstracts Service (division of the American Chemical Society).
- CLP: Classification, Labeling, Packaging.
- CSR: Chemical safety report
- DNEL: Derived No Effect Level.
- EC50:
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- GefStoffVO: Ordinance on Hazardous Substances, Germany.
- GHS: Globally Harmonized System of Classification and Labeling of Chemicals.
- IATA: International Air Transport Association.
- IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).
- ICAO: International Civil Aviation Organization.
- ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO).
- IMDG: International Maritime Code for Dangerous Goods.
- INCI: International Nomenclature of Cosmetic Ingredients.
- KSt: Explosion coefficient.
- LC50: Lethal concentration, for 50 percent of test population.

Safety Data Sheet HYDRO-ALCOHOLIC GEL

LD50:	Lethal dose, for 50 percent of test population.
N.A.:	Not available
PNEC:	Predicted No Effect Concentration.
RID:	Regulation Concerning the International Transport of Dangerous Goods by Rail.
STEL:	Short Term Exposure limit.
STOT:	Specific Target Organ Toxicity.
TLV:	Threshold Limiting Value.
TWA:	Time-weighted average
UN:	United Nations
WGK:	German Water Hazard Class.