

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: Unides AF Liquid
 Item no.: 50204, 50205, 50206, 50702, 50704.
 BAuA no.: N-72415

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

Disinfectant to be used on alcohol-resistant surfaces. For professional users, only.

Medical Device Class:	Ila	Disinfection of non-invasive medical devices.
Sector(s) of use:	SU4	Manufacture of food products.
	SU20	Health services.
Product Category:	PC8	Biocidal products. Disinfectants.
Product types:	PT2	Disinfectants and algaecides not intended for direct application to humans or animals.
	PT4	Food and feed area.

1.3. Details of the supplier of the safety data sheet

Company name and address:
 Wet Wipe GmbH
 Alleestraße 6
 DE-65812 Bad Soden
 Tel: +49 6196 65154-20
 www.wetwipe.eu
 info@wetwipe.eu

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1.4. Emergency telephone number

Use your national or local emergency number.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to regulation (EC) No. 1272/2008 (CLP/GHS):

Flammable liquids, Category 3	H226
Eye irritation, Category 2	H319
Specific target organ toxicity - single exposure, Category 3	H336

2.2. Label elements

Labelling according to regulation (EC) No. 1272/2008 (CLP/GHS):

Hazard pictograms (GHS):



Signal word: Warning.

Hazard statements:

Flammable liquid and vapour.
 Causes serious eye irritation.
 May cause drowsiness or dizziness.

Supplemental Hazard information (EU).

Repeated exposure may cause skin dryness or cracking. (EUH066)

Precautionary statements:

Prevention: Keep away from heat and open flames. No smoking(P210).
 Avoid breathing mist/vapours/spray(P261).
 Do not get in eyes(P262).
 Wear protective gloves/eye protection(P280).

Respond: Get medical advice/attention if you feel unwell(P314).
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing(P305+P351+P338).
 If eye irritation persists: Get medical advice/attention(P337+P313).

Storage: Store in a closed container(P404)

Disposal: Dispose of contents/container according to local regulations(P501).

Additional information.

The product contains an organic solvent. The product does not contain substances of very high concern (SVHC).

Hazardous components which must be listed on the label: 1-propanol

2.3. Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1. Substance

Mixture.

3.2. Mixture

Substance	CAS / EC-no.	%(w/w)	Classification
Ethanol	64-17-5 / 200-578-6	≤ 25	Flam. Liq. 2; H225 Eye Irrit. 2; H319
n-propanol	71-23-8 / 200-746-9	≤ 37	Flam. Liq. 2 H225 Eye Dam. 1 H318 STOT SE 3 H336

See full text of H-phrases in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

- General: In case of discomfort/accident, contact doctor or causality department. Bring label or safety datasheet. Remove all contaminated clothing.
- Eye contact: Rinse thoroughly with plenty of water, also under the eyelids, for minimum 15 minutes. Remove contact lenses, if present and easy to do. Seek medical advice.
- Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist or any signs of respiratory distress occurs.
- Ingestion: Rinse mouth and clean mouth with water. Drink plenty of water. Do not induce vomiting. Seek medical help if discomfort or irritation occurs.
- Skin contact: Rinse with plenty of water.

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

Repeated exposure may cause skin dryness or cracking.

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

If any discomfort arises, treat symptoms and bring safety data sheet when you contact a physician.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

- Suitable: Alcohol-resistant foam, carbonic acid (CO₂), powder, water mist.
- Unsuitable: Full water jet can spread the fire.

5.2. Special hazards arising from the substance or mixture

- Flammable liquid and vapour.
- Hazardous combustion products: Carbon oxides (CO_x).

5.3. Advice for fire-fighters

Avoid inhalation of vapours and fumes. Use self-contained breathing apparatus and chemical protection suit, if personal (close) contact is likely.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use gloves during prolonged or repeated contact.

6.2. Environmental precautions

No special environmental precautions required.

6.3. Methods and material for containment and cleaning up

Gather and place in suitable container. Dispose of according to local regulations.

6.4. Reference to other sections

See section 8 for protective equipment and section 13 for waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Always read the label and product information before use. Biocidal products should be handled with caution. Avoid eye contact. Use protective gloves. See Section 8.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperatures 5 -25°C

7.3. Specific end use(s)

See section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational limits:

Substance	CAS.	Limit value (8 hours)	Country
Ethanol	64-17-5	- / 1900 mg/m ³	Poland.
n-propanol	71-23-8	- / 200 mg/m ³	
Ethanol	64-17-5	500 ppm / 960 mg/m ³	Germany
n-propanol	71-23-8	No data available	

Source: GESTIS International Limit Values.

DNEL:

Substance	Exposure	Value	Population	Effects
Ethanol	Long term Dermal	343 mg/kg bw/day	Workers	Systemic
	Long term inhalation	950 mg/m ³	Workers	Systemic
	Short term	1900 mg/m ³	Workers	Local
n-propanol	Long term Dermal	136 mg/kg bw/day	Workers	Systemic
	Long term inhalation	268 mg/m ³	Workers	Systemic

Source: Registration Dossier – ECHA

PNEC:

Substance	Media	Value	Method
Ethanol	Freshwater	0,96mg/l	Assessment factor
	Marine water	0,79 mg/l	Assessment factor
	Sediment, Fresh water,	3,6 mg/kg dwt	Equilibrium partitioning method
	Sediment, Marine water	02,9 mg/kg dwt	Equilibrium partitioning method
	STP	580 mg/l	Assessment factor
	Soil	0,63 mg/kg dwt	Assessment factor
n-propanol	Freshwater	10 mg/l	Assessment factor
	Marine water	1 mg/l	Assessment factor
	Sediment, Fresh water	22,8 mg/kg dwt	Equilibrium partitioning method
	Sediment, Marine water	2,28 mg/kg dwt	Equilibrium partitioning method
	STP	96 mg/l	Assessment factor
	Soil	2,2 mg/kg dwt	Equilibrium partitioning method

Source: Registration Dossier – ECHA

8.2. Exposure controls

Use common occupational hygiene.

Eye / Face protection: Use eye protection with an approved standard, when there is any risk of eye Contact.



Hand / skin protection: Safety gloves is recommended, use protective gloves of resilient material.



Respiratory protection: Normally not required. When working in the small non-ventilated spaces use suitable breathing apparatus. Filter type (A)

Environmental exposure controls:

Do not flush wipes into sewer system.

SECTION 9: Physical and chemical properties

9.1. Information on basic and chemical properties

Appearance:	Liquid
Odour:	alcohol
pH:	4 to 8
Melting point/range	< -20 °C
Boiling point	78 °C
Flash point	28 °C
Auto-flammability:	> 425 °C
Evaporation rate:	not available
Vapour pressure:	not available
Oxidizing properties	Not oxidizing
Explosive properties	Not classified as an explosive
Solubility in water	Yes

9.2. Other information

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Wet Wipe A/S

- Part of GLAD Koncernen A/S

Vallensbaekvej 65 DK-2625 Vallensbaek
Tel: +45 70 266 244 Fax: +45 70 266 233
info@wetwipe.eu www.wetwipe.eu

VAT 30207726

SECTION 10: Stability and reactivity

10.1. Reactivity

None known.

10.2. Chemical stability

Stable at recommended storage temperatures.

10.3. Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Ethanol

Type		Species	Result	Method
Acute toxicity	Oral	Rat	> 14.500 mg/kg	OECD 401
	Inhalation	Mouse	> 114 mg/ml	OECD 403
	Dermal	No data available		
Skin corrosion/irritation		Human	Not irritating	Not a guideline study (4h)
Eye damage/ irritation		Rabbit	Irritating	OECD 405
Respiratory or Skin sensitization		No data available		
Reproductive toxicity		Mouse	no effects observed	OECD 416

Source: Registration Dossier – ECHA

n-propanol

Type		Species	Result	Method
Acute toxicity	Oral	Rat	~8000 mg/kg	OECD 401
	Inhalation	Rat	> 26.76 mg/ml	OECD 403
	Dermal	Rabbit	4032 mg/kg bw	OECD 402
Skin corrosion/irritation		Rabbit	Not irritating	OECD 404
Eye damage/ irritation		Rabbit	Highly irritating	OECD 405
Respiratory or Skin sensitization		-	Not a sensitizer	OECD 406

Source: Registration Dossier – ECHA

SECTION 12: Ecological information

12.1. Toxicity

Eco-toxicological data for the mixture are not available.

Ethanol

Test	Species	Result	Duration
LC ₅₀	Fish, <i>fathead minnows</i>	14.200 mg/l	96 h
EC ₅₀	Daphnia, <i>Daphnia magna</i>	454 mg/l	249 days
EC ₅₀	Bacteria, <i>Pseudomonas putida</i>	1500 mg/l	96h

Source: Registration Dossier – ECHA

n-propanol

Test	Species	Result	Duration
LC ₅₀	Fish, <i>fathead minnows</i>	4555 mg/ml	96 h
EC50	Daphnia	3644 mg/l	48h

Source: Registration Dossier – ECHA

12.2. Persistence and degradability

Readily biodegradable.

12.3. Bioaccumulative potential

No bioaccumulative potential.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

The product contains no identified PBT/vPvB substances.

12.6. Other adverse effects

None known

SECTION 13: Disposal considerations

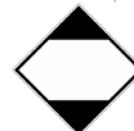
13.1. Waste treatment methods

Dispose of in accordance with local and national regulation. Disposal of the product into drains, water courses or the soil should be avoided.

SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1. UN-number	1987	1987	1987	1987
14.2. UN proper shipping name	ALCOHOLS, N.O.S. (n-propanol, ethanol)	ALCOHOLS, N.O.S. (n-propanol, ethanol)	ALCOHOLS, N.O.S. (n-propanol, ethanol)	ALCOHOLS, N.O.S. (n-propanol, ethanol)
14.3. Transport hazard class	3	3	3	3
14.4. Packaging group	III	III	III	III

Special provisions (SP): 274.
 Classification: F1
 Tunnel restriction code: (D/E)
 Hazard identification number: 30



LQ. Limited quantities; 5 liters.

IMDG, EmS: F-E, S-D
 IATA, Packing instructions: 366/355

For further specifications and requirements - see the applicable regulations on ADR /RID/IMDG/ICAO.

14.5. Environmental hazards

IMDG Marine pollutant: No
 ADR Pollutant: No

14.6. Special precautions for user

None.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Remarks: Not applicable for product as supplied.

SECTION 15: Regulatory information

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

Restrictions for application:

People under the age of 18 shall not be exposed to this product cf. Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

Sources:

Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP). EC regulation 1907/2006 (REACH). Biocidal Products Regulation (EU) No 528/2012 (BPR). Council Directive 93/42/EEC on Medical Devices (MDD) (1993).

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out for the mixture.

SECTION 16: Other information

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification. The information in this safety data sheet applies only the product referred to in section 1 and is not valid when used with other products.

Classification according to regulation (EC) No 1272/2008 Of the European Parliament and Of the Council of 16 December 2008; Article 25 and ANNEX I; classification and labelling requirements for hazardous substances and mixtures.

Flam. Liq. 3, H226: On basis of test data.
 Eye Irrit. 2, H319: Bridging principle -Substantially similar mixtures.
 STOT SE 3, H336: Calculation method

List of relevant H-phrases (sections 2 and 3).

H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H225 Highly flammable liquid and vapour.
 H226 Flammable liquid and vapour.
 H336 May cause drowsiness or dizziness.

Abbreviations used:

ATE Acute toxicity estimate.
 STOT Specific Target Organ Toxicity.

OECD	Organization for Economic Co-operation and Development.
ECHA	European Chemicals Agency.
REACH	Registration, Evaluation, Authorization and Restriction of Chemical Substances.
DNEL	Derived No-Effect Level.
PNEC	Predicted No-Effect Concentration.
LC ₅₀	Lethal Concentration 50 %
EC50	Effect Concentration 50 %
TGK	toxicity threshold concentration.
PBT	Persistent, Bioaccumulative, Toxic
vPvB	very Persistent, very Bioaccumulative
EmS	Emergency Response Procedures for Ships Carrying Dangerous Goods.
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road.
IMDG	International Maritime Code for Dangerous Goods.
IATA	International Air Transport Association.
GHS	Globally Harmonized System of Classification and Labelling of Chemicals

Key literature references:

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (CLP). EC regulation 1907/2006 (REACH). ECHA registration dossiers.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, through information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific product designated and may not be valid for the product used in combination with any other products, materials or in any process, unless specified in the text. It is always the responsibility of the user to take all necessary steps in order to fulfil the demand laid down in the local rules and legislation. Final determination of suitability of any material is the sole responsibility of the user. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. The company cannot be held liable for any damage resulting from wrongful handling or other, not specified here, contact with the above product.