

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: **Plurawipes Wet Premium (incl. fragrances)**

Product type: Tissues for disinfection (ready for use)

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

Use of the substance or mixture: Disinfection wipes pre-impregnated with 2 litres rapid disinfection Plurazid Premium, free from aldehydes and QAV, extensive - effectiveness

Uses advised against: Restricted to professional users.

1.3 Details of the supplier of the safety data sheet

Company name: Pluradent AG & Co KG

Street/Mailbox: Kaiserleistr. 3

Place: D-63067 Offenbach a.M.

Contact for technical information: Pluradent Vertrieb

Phone / Telefax / E-Mail

+49 (0)69-82983-0 / +49 (0)69-82983-271 / regulatory.affairs@pluradent.de

1.4 Emergency telephone number

Germany: Giftnotruf Mainz - 24 Hour Service - Tel.: +49 (0) 6131/19240

2. * Hazards identification

2.1* Classification of the substance or mixture

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



GHS02 – flame

Flam. Liqu. 3 - H226 Flammable liquid and vapour.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008:

The product is classified and labelled according to the CLP regulation.

Hazard-determining components of labelling: -

Hazard pictograms:



GHS02

Signal word : Warning

Hazard statements

H226 Flammable liquid and vapour.

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Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Special labeling of certain mixtures

Labeling according to Regulation (EC) No. 648/2004: fragrances

2.3 Other hazards

Results of PBT and vPvB assessment:

PBT: Not applicable.

vPvB: Not applicable.

According to Regulation (EC) No 1907/2006 (REACH), this product contains no PBT / vPvB substances.

Inhalation of vapours in high concentration can cause narcotic effects.

3. * Composition/information on ingredients

3.2* Mixtures

Description: Tissues impregnated with alcoholic disinfectant.

Dangerous components:

Chemical Name	Index-No. CAS-No. EC-No. Registr. No.	Classification according to Regulation EC No. 1272/2008)	Concentration (%)
ethanol	603-002-00-5 CAS: 64-17-5 EINECS: 200-578-6 01-2119457610-43-xxxx	Flam.Liq. 2 – H225 Eye Irrit. 2 – H319	< 50 %

Additional information: For the wording of the listed risk phrases refer to section 16.

More information:

Specific concentration limits

Ethanol C > 50% => H319

4. First aid measures



4.1 Description of first aid measures

General information

If you feel unwell, seek medical advice.

After inhalation

Move to fresh air in case of accidental inhalation of vapours or decomposition products.

In the event of symptoms refer for medical treatment.

After skin contact

Generally the product does not irritate the skin.

After eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist.

After swallowing

Rinse mouth.
Do not induce vomiting.
Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Contact with eyes may cause irritation.
May cause irritation of the mucous membranes.
Inhalation of vapours in high concentration can cause narcotic effects.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptoms.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Alcohol-resistant foam, dry chemical, carbon dioxide (CO₂), water-spray.
Unsuitable extinguishing media: Full water jet.

5.2 Special hazards arising from the substance or mixture

Fire may produce:
Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

5.3 Advice for firefighters

Use breathing apparatus with independent air supply.
Protective suit.

Additional information

Vapours are heavier than air and spread along ground.
The vapour/air mixture is explosive, even in empty, uncleaned receptacles.
Cool containers at risk with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

In case of vapour formation use respirator.
Avoid contact with skin, eyes and clothing.
Ensure adequate ventilation.

6.2 Environmental precautions

Do not allow product to reach ground water, water course or sewage system.

6.3 Methods and material for containment and cleaning up

Take up mechanically and collect in suitable container for disposal.

6.4 Reference to other sections

See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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7. Handling and storage

7.1 Precautions for safe handling

Avoid contact with eyes.
Use only in thoroughly ventilated areas.

Information about fire- and explosion-protection:

Do not smoke - volatile.
Keep away from open flames, hot surfaces and sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities

Storage: -

Requirements for storage rooms and vessels:

Keep container tightly closed in a dry, cool and well-ventilated place.
Protect against direct sun radiation.

Advice on storage compatibility:

Incompatible with oxidizing agents.

Further information about storage conditions:

Keep away from food, drink and animal feeding stuffs.

7.3 Specific end use(s)

Tissues for disinfection (ready for use)

8. Exposure controls/personal protection

8.1 Control parameters

8.1.1 Ingredients with limit values that require monitoring at the workplace:

64-17-5 ethanol		
AGW (Germany)	Long-term value:	500 ppm 960 mg/m ³
	Short-term value:	1000 ppm 1920 mg/m ³
MAK (Austria)	Long-term value:	1000 ppm 1900 mg/m ³
	Short-term value:	2000 ppm 3800 mg/m ³
MAK (Switzerland)	Long-term value:	500 ppm 960 mg/m ³
	Short-term value:	1000 ppm 1920 mg/m ³
WEL (Denmark)	Long-term value:	1000 ppm 1900 mg/m ³
	Short-term value:	2000 ppm 3800 mg/m ³
USA OSHA	Long-term value:	1000 ppm 1900 mg/m ³

Additional information: The lists that were valid during the making were used as basis.

8.1.2. DNEL/PNEC-values

No further relevant information available.

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8.1.3. Control-Banding

No further relevant information available.

8.2 Exposure controls

8.2.1 Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

8.2.2 Individual protection measures - Personal protective equipment

General protective and hygienic measures:

- Do not inhale vapours.
- Wash hands before breaks and at the end of workday.
- When using do not eat, drink or smoke.
- Remove and wash contaminated clothes before re-use.

Respiratory protection:

No personal respiratory protective equipment normally required.

Hand Protection



Protective gloves

Also suitable are gloves made of:

- Polychloropren - CR (0,5 mm): Breakthrough time > 8 h
- Nitrile rubber/nitrile latex - NBR (0,35 mm): Breakthrough time > 8 h
- Butyl rubber - Butyl (0,5 mm): Breakthrough time > 8 h
- Fluoro-rubber - FKM (0,4 mm): Breakthrough time > 8 h
- Polyvinyl chloride - PVC (0,5 mm): Breakthrough time > 8 h

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

Eye protection



Wear Safety goggles (EN 166).

Skin protection

Long sleeved clothing (EN 368).

8.2.3 Environmental exposure controls:

General notes:

Do not allow product to reach ground water, water course or sewage system.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: - Form : - Colour : Odour : Odour threshold :	Non-woven fabric, impregnated white Alcohol-like / perfumed Not determined
pH-value at 20 °C :	6 – 8 *)
Change in condition Melting point/ freezing point : Boiling point/Boiling range :	Not determined approx. 85 °C *)
Flash point : Ignition temperature : Evaporation rate : Self-igniting : Danger of explosion : Explosion limits - lower : - upper :	approx. 25 °C *) > 425 °C *) Not applicable Not determined Not determined 3,5 Vol % *) Not determined
Vapour pressure at 20°C : Vapour density :	Not determined Not determined
Density at 20 °C : Relative density :	approx. 0,932 g/cm ³ *) Not determined
Solubility in / Miscibility with water :	Partly miscible.
Partition coefficient (n-octanol/water) :	Not determined
Viscosity dynamic : cinematic :	Not determined Not determined
Solvent content:	< 50 %

9.2 Other information

*) All data refer to the solution.

10. Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical Stability

Stable under normal handling and storage conditions.

10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.

10.4 Conditions to avoid

Heating can release vapours which can be ignited.

10.5 Incompatible materials

oxidizing agents

10.6 Hazardous decomposition products

Irritant/corrosive, flammable as well as toxic distillation gases (carbonization gases).

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11. * Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

No toxicological data available.

Irritation and corrosivity: Based on available data, the classification criteria are not met.

Sensitising effects: Based on available data, the classification criteria are not met.

Germ cell mutagenicity

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Reproductive toxicity

Based on available data, the classification criteria are not met.

Specific target organ toxicity - single exposure

Based on available data, the classification criteria are not met.

Specific target organ toxicity - repeated exposure

Based on available data, the classification criteria are not met.

Severe effects after repeated or prolonged exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

Classification in compliance with the assessment procedure specified in the Regulation (EC) no 1272/2008.

Practical experience

Contact with eyes may cause irritation.

May cause irritation of the mucous membranes.

Inhalation of vapours in high concentration can cause narcotic effects .

If appropriately handled and if in accordance with the general hygienic rules, no damages to health have become known.

Skin compatibility of this product proved with dermatological certificate.

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12. Ecological information

12.1 Toxicity

Ecological data are not available.

12.2 Persistence and degradability

No data available.

Ethanol: Readily biodegradable (to OECD criteria).

12.3 Bioaccumulative potential

No data available.

Partition coefficient
n-octanol/water log Pow: -0,31

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

PBT: Not applicable.
vPvB: Not applicable.

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects

Low hazard to waters.

Do not discharge into surface waters/groundwater.

13. Disposal considerations

13.1 Waste treatment methods

Where possible recycling is preferred to disposal.
Can be incinerated, when in compliance with local regulations.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal.
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.
Packaging that cannot be cleaned should be disposed of like the product.

European waste catalogue

07 06 99 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

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14. Transport information

14.1 UN-Number

ADR, ADN, IMDG, IATA UN1325

14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA FLAMMABLE SOLID, ORGANIC, N.O.S. (Ethanol)
FLAMMABLE SOLID, ORGANIC, N.O.S. (Ethanol)

14.3 Transport hazard class(es)

ADR, IMDG, IATA



· Class 4.1 Flammable solids.
· Label 4.1

14.4 Packing group

ADR/RID, ADN, IMDG, IATA III

14.5 Transport/Additional information:

ADR

· Excepted quantities (EQ): F1
· Limited quantities (LQ) 5 kg / 30 kg
Excepted quantity: E1
· Transport category 3
Hazard No: 40
· Tunnel restriction code E

IMDG

Marine pollutant: No
· Limited quantities: 5 kg / 30 kg
Danger code (Kemler): 40
· EMS Number: F-A,S-G

IATA

Limited quantity Passenger: Y443 / 10kg
IATA-packing instructions - Passenger: 446
IATA-max. quantity - Passenger: 25 kg
IATA-packing instructions - Cargo: 449
IATA-max. quantity - Cargo: 100 kg

14.6 Environmental hazards:

Marine Pollutant: yes / no

14.7 Special precautions for user

Take the usual precautions when handling with chemicals.

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

The transport takes place only in approved and appropriate packaging.

14.9 UN "Model Regulation"

UN1325, FLAMMABLE SOLID, ORGANIC, N.O.S. (ethanol), 4.1, III

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15. Regulatory information

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

EU regulations:

The product is classified and labelled according to the CLP regulation. See Chapter 2.

1999/13/EC (VOC): 45 % (*) (All data refer to the solution)

National regulations:

Employment restrictions:

Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

15.2 Chemical safety assessment:

A Chemical Safety Assessment has not been carried out.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The receiver of our product is solely responsible for adhering to existing laws and regulations.

Changes compared to the previous version

* Changes to previous version.

Abbreviations and acronyms:

ADR	Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID	Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IATA-DGR	Dangerous Goods Regulations 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
IATA	International Air Transport Association
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
CAS	Chemical Abstracts Service (division of the American Chemical Society)
GefStoffV	Gefährstoffverordnung (Ordinance on Hazardous Substances, Germany)
LC ₅₀	Lethal concentration, 50 percent
LD ₅₀	Lethal dose, 50 percent
EC ₅₀	half maximal effective concentration
NOEC	No Observed Effect Concentration
Flam. Liq.	Flammable liquids
Flam. Sol.	Flammable solids
Skin Corr.	Skin corrosion/irritation
Skin Sens.	Skin corrosion/irritation
Aquatic Chronic	Chronical aquatic toxicity

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Eye Dam.	Serious eye damage/eye irritation
Eye Irrit.	Serious eye damage/eye irritation
Repr.	Reproductive toxicity
STOT SE	Specific target organ toxicity - single exposure

Relevant phrases

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H319	Causes serious eye irritation.

Further information

Department issuing MSDS: Regulatory Affairs

Data of items 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge.

The information contained in this security data sheet is based on our best knowledge and conscience on topically available information about the correct use of the product under normal conditions. The user is solely responsible for any other usage of this product in connection with other processes / procedures which is not described in this data sheet. This document does not show any explicit or implicit guarantee with regard to product quality or suitability for a certain purpose.
