

MATERIAL SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 and (EC) No. 1272/2008

1. IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product identifier

Product name: **DWA 80 Plus disinfectant wipes**
Reach registration number: The product is a mixture, so not refer to REACH registration.

1.2 Relevant identified field of application and uses advised against:

Identified uses: Hand and surface disinfection
Uses advised against: Uses other than those identified are not recommended.

1.3 Supplier's data:

Company name: Wet Wipe Kft. (Ltd.)
Company address: H-3526, Miskolc, Mechatronikai park 4.
Company contact details: Tel.: +36-46-503-530 Fax: +36-46-505-345
e-mail: wetwipe@wetwipe.hu web: <http://www.wetwipe.hu>
Responsible department: labor@wetwipe.hu

1.4. Emergency telephone number (Hungary):

Health Toxicological Information Service H-1096 Budapest, Nagyvárad tér 2. For medical or environmental emergency only: 36 (80) 20 11 99 e-mail: ettasz@okbi.antsz.hu

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

The product has been classified and labelled in accordance with Regulation (EC) No. 1272/2008.

Flam. Sol. 2; H228;

2.2. Label elements: pictogram: GHS05; Signalword: DANGER

DANGER

Hazard statements:

H228: Flammable solid.

Precautionary Statements:

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



2.3. Other hazards: No other hazards known. The product does not meet the criteria for PBT or vPvB in accordance with Regulation (EC) No. 1907/2006, Annex XIII.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures: alkalic water based solution.

%	Ingredients:	CAS number:	EU number:	EU index:	1272/2008:	67/548:
80-85%	ETANOL	64-17-5	200-578-6	603-002-00-5	Flam. Liq. 2; H225 Eye Irrit. 2; H319	F; R11
0,05-0,20%	2-HIDROXI-BIFENIL	90-43-7	201-993-5	604-020-00-6	Eye Irrit. 2; H319 STOT SE 3; H335 Skin Irrit. 2; H315 Aquatic Acute 1; H400	Xi; R36/37/38 R67

The Full Text for all H and R-Phrases and Hazard Statements are Displayed in Section 16. They are relevant for the pure components.

Other components of the mixture are not considered as harmful, according to the relevant legislation, or its concentration is below the level of necessary notification.

4. FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation	Remove affected person from source of contamination. Move affected person to fresh air at once. Get medical attention if any discomfort continues.
Ingestion	Rinse mouth thoroughly with water. Give plenty of water to drink. DO NOT induce vomiting. Get medical attention immediately.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention immediately.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue rinsing.

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

Inhalation	The product is considered to be a low hazard under normal conditions of use.
Ingestion	Not typical.
Skin contact	Not considered to be dangerous.
Eye contact	Causes serious eye irritation.

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

Notes for the doctor	Treat symptomatically
No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.	

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Carbon dioxide. Dry powder. Water spray jet. Fight larger fires with water spray jet or alcohol-resistant foam.

5.2 Special hazards arising from the substance or mixture

Flammable. In case of fire hazardous combustion gases or vapors can be released. No other special hazards known. No explosion hazards noted. Does not decompose when used and stored as recommended.

5.3 Advice for firefighters

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection.

5.4. Other information:

Control run-off water by containing and keeping it out of sewers and watercourses.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions No action shall be taken without appropriate training or involving any personal risk.

6.2. Environmental precautions

Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Absorb in vermiculite, dry sand or earth and place into containers. Place waste in labelled, sealed containers small amounts may be removed by usual clean-up operations, using ample water for rinsing off the spilled material.

6.4. Reference to other sections

Reference to other sections For waste disposal, see Section 7.; 8., and 13.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Usage precautions: Read and follow manufacturer's recommendations.

Measures to prevent fire

and explosions: No special precautions required.

Measures required to protect

the environment: For environmental exposure controls see subsection 8.2.

Advices on general

occupational hygiene: Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Do not mix with other products avoid mixing with acids. Wash hands before breaks and at the end of workday. Wash face, hands and any exposed skin thoroughly after handling. Take off immediately all contaminated clothing. Use personal protective equipment as required if there is danger of inhalation of the product. Avoid contact with eyes, skin, open wounds, do not inhale the sprayed product or its fumes. Use only with adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities:

Storage precautions Store in tightly-closed, original container in accordance with local and national regulations, in a dry, cool and well-ventilated place.

Storage class Chemical storage.

For conditions to avoid see subsection 10.4. For incompatible materials see subsection 10.5.

7.3. Specific end uses

Specific end uses The identified uses for this product are detailed in Section 1.2. The product is strongly alkaline, use it accordingly with precaution.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 Control parameters

Workplace exposure limits Air limit values, if available:

Ingredient(s)	Long term values	Short term values
ethanol	1900 mg/m ³	7600 mg/m ³

Biological limit values, if available:

Recommended monitoring procedures, if available:

Additional exposure limits under the conditions of use, if available:

DNEL/DMEL and PNEC values

Human exposure

DNEL oral exposure - Consumer (mg/kg bw)

Ingredients	Short term - Local effects	Short term systemic effects	Long term -Local effects	Long term Systemic effects
Ethanol	No data available	No data available-	No data available-	No data available-

DNEL dermal exposure - Worker

Ingredients	Short term - Local effects	Short term systemic effects	Long term -Local effects	Long term Systemic effects
Ethanol	No data available	No data available -	No data available	No data available -

Environmental exposure

Environmental exposure Predicted No Effect Concentration (PNEC)

8.2 Exposure controls

The following information applies for the uses indicated in subsection 1.2. If available, please refer to the product information sheet for application and handling instructions. Normal use conditions are assumed for this section. Recommended safety measures for handling the undiluted product: Covering activities such as filling and transfer of product to application equipment, containers, flasks or buckets

Appropriate engineering controls:	If the product is diluted by using specific dosing systems with no risk of splashes or direct skin contact, the personal protection equipment as described in this section is not required. Should not be used together with acids, or acid containing materials and cleaning agents. Such use is strictly forbidden. If applied in closed environment sufficient ventilation must be provided. Safety equipment, like eye rinsing glass/flask, washing facility, emergency shower etc. must be provided.
Appropriate organisational controls:	Avoid direct contact and/or splashes where possible. Train personnel. keep away from food and feed,
Personal protective equipment:	Eye / face protection: Safety glasses or goggles (EN 166).
Hand protection:	Wear alkali resistant protective gloves, Rinse and dry hands after use. For prolonged contact protection for the skin may be necessary.
Body protection:	No special requirements under normal use conditions

Respiratory protection: No special requirements under normal use conditions. If ventilation is sufficient. If hazardous component concentration exceeds prescribed threshold concentration or the product is applied by spraying use respiratory protection apparatus.

8.3 Environmental exposure controls

Should not reach sewage water or drainage ditch undiluted or unneutralised.

8.4. Other information

The personal protection equipment should be chosen according to the quantity, and concentration of the hazardous product. This is to apply under normal circumstances. If conditions differ significantly, additional measures should be necessary. If such conditions occur, please consult beforehand with safety experts about the necessary equipment and other safety measures.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Information in this section refers to the product, unless it is specifically stated that substance data is listed

Physical State:	Liquid impregnated to wipe material
Colour:	Clear, colourless
Odour:	alcohol like
Odour threshold:	Not applicable
pH (concentrated solution):	6-8
Melting point:	Not determined
Initial boiling point and range:	Above 100 °C
Flash point:	Not applicable.
Sustained combustion:	Not determined
Evaporation residue:	Not determined
Flammability (solid, gas):	Not determined.
Upper/lower flammability or explosive limits: (%)	Not applicable.
Other flammability:	Not available.
Vapour pressure:	Not determined.
Vapour density:	Not determined.
Relative density:	0.83-0.87 g/cm ³ @ 20°C
Solubility in Water:	Fully miscible
Autoignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Not explosive
Oxidising properties:	Not oxidising

9.2. Other information

Surface tension (N/m):	Not determined
Corrosion to metals:	Corrosive

10. STABILITY AND REACTIVITY

10.1. Reactivity

No reactivity hazards known under normal storage and use conditions.

10.2. Chemical stability

Stable under normal storage and use conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions known under normal storage and use conditions: reacts vigorously with strong acids, and acidic products.

10.4. Conditions to avoid

None known under normal storage and use conditions. Avoid strong heat, frost, high temperature.

10.5. Incompatible materials

None known under normal storage and use conditions.

10.6 Hazardous decomposition products

None known under normal storage and use conditions. In fire, may evolve decomposition products, see it in section 5.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects (for the impregnating liquid)

Classification and toxicological evaluation according to criteria given in CLP regulations: According to estimated DNEL (oral) is not considered to be hazardous

Mixture data:

Relevant calculated ATE (s):

ATE - Oral (mg/kg):>2000

Substance data, where relevant and available, are listed below.

Acute toxicity

Acute oral toxicity

No data available

Acute dermal toxicity

No data available

Acute inhalative toxicity

No data available

Irritation and corrosivity

No data available

Skin irritation and corrosivity

No data available

Eye irritation and corrosivity

No data available

Respiratory tract irritation and corrosivity: No data available

Sensitisation

Sensitisation by skin contact

Sensitisation by inhalation: No data available

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Mutagenicity

	Result (in vitro)	Method (in vitro)	Result (in vivo)	Method (in vivo)
Ethanol	No evidence	Method not given	No evidence for mutagenicity,	

11.2. Potential adverse health effects and symptoms.

Effects and symptoms related to the product, if any, are listed in subsection 4.2.

12. ECOLOGICAL INFORMATION

12.1 Toxicity (for the impregnating liquid)

Detailed experiments and test with the product have not been done. Its evaluation is based on the ecotoxicological data of the ingredients, according to CLP regulations.

The product is classified as a mixture not considered as such that may cause acute or chronic hazards to the environment.

Aquatic short-term toxicity

Aquatic short-term toxicity – fish

Ingredients	Endpoint	Value mg/l	Species	Method	Exposure time (h)
Ethanol	LC50	80	<i>Gambusia affinis</i>	Method not given	96

Aquatic short-term toxicity - crustacea

Ingredients	Endpoint	Value mg/l	Species	Method	Exposure time (h)
Ethanol	EC50	76	<i>Daphnia Magna Straus</i>	OECD 202	48

Aquatic short-term toxicity – algae No data available

Ingredients	Endpoint	Value mg/l	Species	Method	Exposure time (h)
Ethanol	EC50	no data			

Aquatic short-term toxicity - marine species No data available

Aquatic short-term toxicity to bacteria

Ingredients	Endpoint	Value mg/l	Species	Method	Exposure time (h)

Ethanol	EC50	22	<i>Photobacterium phosphorum</i>		15 min
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Aquatic long-term toxicity No data available

Terrestrial toxicity

Terrestrial toxicity - soil invertebrates, including earthworms, if available: no data available

Terrestrial toxicity - plants, if available: no data available

12.2 Persistence and degradability

Abiotic degradation not expected

Biodegradation

Readily biodegradable – under aerobic conditions

The surfactant contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. (>90 %, OECD 303 method) Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potential

The product is not persistent bioaccumulation is not expected, though no data available.

12.4 Mobility in soil

The inorganic components are potentially mobile in soil as it is soluble in water, alkyl ether carboxylic acids are rather immobile in soil or sediment.

12.5 Results of PBT and vPvB assessment

The substances in the product do not fulfill the criteria for PBT/vPvB.

12.6 Other adverse effects

No other adverse effects known. In concentrated form should not allow to put into the sewage system or discharge into the environment.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods Waste from residues / unused products:

The concentrated contents or contaminated packaging should be disposed of by a certified handler or according to the site permit. Release of waste to sewers is discouraged. The cleaned packaging material is suitable for energy recovery or recycling in line with local legislation.

European Waste Catalogue: 20 01 29* - detergents containing dangerous substances.

Empty packaging Recommendation: Dispose of observing national or local regulations.

Suitable cleaning agents: Water, if necessary with cleaning agent.

14. TRANSPORT INFORMATION

ADR, RID, ADN, IMO/IMDG, ICAO/IATA

14.1 UN number: UN 3175

Road and rail transport SOLIDS or mixtures of solids (such as preparations and wastes) CONTAINING FLAMMABLE LIQUID, N.O.S.

classification (RID/ADR):

14.3 Dangerous transport 4.1.

symbols:

14.4 Packing group: II

14.5 Environmental hazards:

Environmentally hazardous: No environmental hazard.
Marine pollutant: No marine pollutant hazard.

14.6 Special precautions

for the user: No need special precautions.

14.7 Bulk transport according to Annex II of MARPOL 73/78 and the IBC Code: Does not apply.

15. REGULATORY INFORMATION

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

Authorisations or restrictions (Regulation (EC) No. 1907/2006, Title VII respectively Title VIII): Not applicable, Regulation (EC) No. 1272/2008, and its modifications.

Ingredients according to EC Detergents Regulation 648/2004 non-ionic surfactants <1%

In other respects national regulations should be adhered to.

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out on the mixture.

16. OTHER INFORMATION

Classification procedure

The classification of the mixture is in general based on calculation methods using substance data, as required by Regulation (EC) No. 1272/2008. If for certain classifications data on the mixture is available or for example bridging principles or weight of evidence can be used for classification, this will be indicated in the relevant sections of the Safety Data Sheet. See section 9 for physical chemical properties, section 11 for toxicological information and section 12 for ecological information.

16.1. Full text of the R, H statements and EUH phrases mentioned in section 3:

H228 Flammable solid.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed
R22-Harmful if swallowed.
R36/38-Irritating to eye and skin.
R37 Irritating to respiratory system
R41-Risk of serious damage to eye

Abbreviations and acronyms:

- AISE-The international Association for Soaps, Detergents and Maintenance Products
- DNEL-Derived No Effect Limit
- EUH-CLP Specific hazard statement
- PBT-Persistent, Bioaccumulative and Toxic
- PNEC-Predicted No Effect Concentration
- REACH number-REACH registration number, without supplier specific part
- vPvB-very Persistent and very Bioaccumulative
- ATE-Acute Toxicity Estimate.

16.2. MSDS history:

The information in this document is based on our best present knowledge. However, it does not constitute a guarantee for any specific product features and does not establish a legally binding contract.

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