

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**medichem Flow Wipes sensitive**

Revision date: 11.05.2023

Product code: 00320-0367-GHS

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

medichem Flow Wipes sensitive

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

Tissues for disinfection (ready for use)

**1.3. Details of the supplier of the safety data sheet**

Company name:	Heck Hygiene GmbH	
Street:	Ostring 1	
Place:	34277 Fuldabrück	
Telephone:	+49 (0) 561-220 739 00	Telefax: +49 (0) 561-220 739 99
E-mail:	info@heck-hygiene.de	
Responsible Department:	Responsible for the safety data sheet: sds@gbk-ingelheim.de	

**1.4. Emergency telephone number:**INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a)  
In England and Wales: NHS 111 In Scotland: NHS 24 - dial 111**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Flam. Liq. 3; H226

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Signal word:** Warning**Pictograms:****Hazard statements**

H226 Flammable liquid and vapour.

**Precautionary statements**

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
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.
P501	Dispose of contents/container to approved disposal company or local collection.

**2.3. Other hazards**

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According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

Vapours may form explosive mixture with air.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Alcoholic solution

**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
64-17-5	Ethanol			< 50 %
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
64-17-5	200-578-6	Ethanol	< 50 %
	Eye Irrit. 2; H319: >= 50 - 100		

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Remove contaminated soaked clothing immediately.  
If you feel unwell, seek medical advice.

**After inhalation**

Move to fresh air in case of accidental inhalation of vapours.  
In the event of symptoms refer for medical treatment.

**After contact with skin**

No special measure necessary.

**After contact with eyes**

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

**After ingestion**

Do not induce vomiting.  
Summon a doctor immediately.  
Induce vomiting only upon the advice of a physician.

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

Contact with eyes may cause irritation.  
Inhalation of vapours in high concentration can cause narcotic effects.  
Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

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

Treat symptoms.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Alcohol-resistant foam, dry chemical, carbon dioxide (CO<sub>2</sub>), water-spray.**Unsuitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

Fire may produce:

carbon monoxide and carbon dioxide

**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.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Ensure adequate ventilation.

Keep away sources of ignition.

Keep away noninvolved persons.

**For non-emergency personnel**

Do not breathe vapours.

Avoid contact with skin, eyes and clothing.

**For emergency responders**

In case of vapour formation use respirator.

Use personal protective clothing.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/ground water.

**6.3. Methods and material for containment and cleaning up****For containment**

No special measures required.

**For cleaning up**

Take up mechanically and collect in suitable container for disposal.

**6.4. Reference to other sections**

Observe protective instructions (see Sections 7 and 8).

Information for disposal see section 13.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Keep container tightly closed.

Ensure adequate ventilation.

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Avoid contact with skin, eyes and clothing.

**Advice on protection against fire and explosion**

Keep away from heat and sources of ignition.

Do not smoke - volatile.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed in a dry, cool and well-ventilated place.

**Hints on joint storage**

Incompatible with oxidizing agents.

**Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

**7.3. Specific end use(s)**

Tissues for disinfection (ready for use)

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
64-17-5	Ethanol	1000	1920		TWA (8 h)	WEL

**8.2. Exposure controls****Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene measures**

Do not inhale vapours.

Wash hands before breaks and at the end of workday.

When using do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

Remove and wash contaminated clothes before re-use.

**Eye/face protection**

If used properly, no need to wear eye protection. Otherwise wear protective goggles with integrated side shields.

**Hand protection**

If used properly, there is no need to wear protective gloves.

**Skin protection**

Long sleeved clothing (DIN EN ISO 6530)

**Respiratory protection**

No personal respiratory protective equipment normally required.

In case of insufficient ventilation wear suitable respiratory equipment (gas filter type A) (EN 14387).

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	Non-woven fabric, impregnated
Colour:	White
Odour:	alcoholic / Perfumed (scented)

**Test method**

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pH-Value (at 20 °C): approx. 11 \*)

**Changes in the physical state**

Melting point/freezing point: &lt; - 10 °C \*)

Boiling point or initial boiling point and boiling range: approx. 85 °C \*)

Sublimation point: n.a.

Softening point: n.a.

Flash point: 24 °C \*)

**Flammability**

Solid/liquid: n.d.

**Explosive properties**

The product is considered non-explosive; nevertheless explosive vapour/air mixture can be generated.

Lower explosion limits: 3,5 vol. % \*) , \*\*)

Upper explosion limits: 15 vol. % \*) , \*\*)

Auto-ignition temperature: 425 °C \*) , \*\*)

**Self-ignition temperature**

Solid: n.d.

Gas: n.a.

Decomposition temperature: n.d.

**Oxidizing properties**

Not oxidising.

Vapour pressure:  
(at 20 °C) 58 hPa \*) , \*\*)Density (at 20 °C): 0,92 - 0,93 g/cm<sup>3</sup> \*)

Bulk density: n.a.

Water solubility:  
(at 20 °C) Miscible \*)**Solubility in other solvents**

n.d.

Partition coefficient n-octanol/water: n.d.

Viscosity / dynamic: n.a.

Viscosity / kinematic: n.a.

Flow time: n.a.

Relative vapour density: n.d.

Evaporation rate: n.d.

Solvent separation test: n.d.

Solvent content: &lt; 50 % \*)

**9.2. Other information**

\*) All data refer to the solution

\*\*) Ethanol

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No decomposition if stored and applied as directed.

**10.2. Chemical stability**

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Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

Reactions with oxidizing agents.

**10.4. Conditions to avoid**

Vapour/air mixtures are explosive at intensive warming.

Heating can release vapours which can be ignited.

**10.5. Incompatible materials**

oxidizing agents

**10.6. Hazardous decomposition products**

No hazardous decomposition products known.

Fire may produce:

Carbon monoxide and carbon dioxide

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No. 1272/2008****Acute toxicity**

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

No toxicological data available.

Ethanol

LD50/oral/rat: > 2000 mg/kg [OECD 401]

LD50/dermal/rabbit: > 2000 mg/kg [OECD 401]

LC50/inhalation/rat: > 20 mg/l/4h

**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.

**Carcinogenic/mutagenic/toxic effects for reproduction**

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

**STOT-single exposure**

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

**STOT-repeated 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.

**11.2. Information on other hazards****Endocrine disrupting properties**

No data available

**Other information**

Contact with eyes may cause irritation.

Inhalation of vapours in high concentration can cause narcotic effects.

Repeated or prolonged exposure may cause skin irritation and dermatitis, due to degreasing properties of the product.

**SECTION 12: Ecological information****12.1. Toxicity**

Ecological data are not available.

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**12.2. Persistence and degradability**

No data available

Ethanol: Readily biodegradable (to OECD criteria).

**12.3. Bioaccumulative potential**

No data available

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

Low hazard to waters.

**Further information**

Product is not allowed to discharge into the ground water or aquatic environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

**List of Wastes Code - residues/unused products**

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors; hazardous waste

**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.

**SECTION 14: Transport information****Land transport (ADR/RID)**

<b><u>14.1. UN number:</u></b>	UN 1325
<b><u>14.2. UN proper shipping name:</u></b>	FLAMMABLE SOLID, ORGANIC, N.O.S. (Ethanol)
<b><u>14.3. Transport hazard class(es):</u></b>	4.1
<b><u>14.4. Packing group:</u></b>	III
Hazard label:	4.1



Classification code:	F1
Limited quantity:	5 kg / 30 kg
Excepted quantity:	E1
Transport category:	3
Hazard No:	40
Tunnel restriction code:	E

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**Inland waterways transport (ADN)**

<b>14.1. UN number:</b>	UN 1325
<b>14.2. UN proper shipping name:</b>	FLAMMABLE SOLID, ORGANIC, N.O.S. (Ethanol)
<b>14.3. Transport hazard class(es):</b>	4.1
<b>14.4. Packing group:</b>	III
Hazard label:	4.1
	
Classification code:	F1
Limited quantity:	5 kg / 30 kg
Excepted quantity:	E1

**Marine transport (IMDG)**

<b>14.1. UN number:</b>	UN 1325
<b>14.2. UN proper shipping name:</b>	FLAMMABLE SOLID, ORGANIC, N.O.S. (Ethanol)
<b>14.3. Transport hazard class(es):</b>	4.1
<b>14.4. Packing group:</b>	III
Hazard label:	4.1
	
Marine pollutant:	No
Limited quantity:	5 kg / 30 kg
Excepted quantity:	E1
EmS:	F-A, S-G

**Air transport (ICAO-TI/IATA-DGR)**

<b>14.1. UN number:</b>	UN 1325
<b>14.2. UN proper shipping name:</b>	FLAMMABLE SOLID, ORGANIC, N.O.S. (Ethanol)
<b>14.3. Transport hazard class(es):</b>	4.1
<b>14.4. Packing group:</b>	III
Hazard label:	4.1
	
Limited quantity Passenger:	10 kg
Passenger LQ:	Y443
Excepted quantity:	E1
IATA-packing instructions - Passenger:	446
IATA-max. quantity - Passenger:	25 kg
IATA-packing instructions - Cargo:	449
IATA-max. quantity - Cargo:	100 kg

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Take the usual precautions when handling with chemicals.

**14.7. Maritime transport in bulk according to IMO instruments**

The transport takes place only in approved and appropriate packaging.



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**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40

2004/42/EC (VOC):

&lt; 50 %

Information according to 2012/18/EU  
(SEVESO III):

P5c FLAMMABLE LIQUIDS

**Additional information**

Regulation (EC) No 648/2004 (Regulation on detergents):

&lt; 5% Non-ionic surfactants

**National regulatory information**

Employment restrictions:

Observe restrictions to employment for juveniles 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.

Water hazard class (D):

1 - slightly hazardous to water

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

**SECTION 16: Other information****Changes**

Changes in section: 2, 6, 11, 12, 15, 16

**Abbreviations and acronyms**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route

RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses

ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

IMDG = International Maritime Code for Dangerous Goods

IATA/ICAO = International Air Transport Association / International Civil Aviation Organization

MARPOL = International Convention for the Prevention of Pollution from Ships

IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

REACH = Registration, Evaluation, Authorization and Restriction of Chemicals

CAS = Chemical Abstract Service

EN = European norm

ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm

PBT = Persistent Bioaccumulative and Toxic

vPvB = Very Persistent and very Bio-accumulative

LD = Lethal dose

LC = Lethal concentration

EC = Effect concentration

IC = Median immobilisation concentration or median inhibitory concentration

**Classification for mixtures and used evaluation method according to GB CLP Regulation**

Classification	Classification procedure
Flam. Liq. 3; H226	On basis of test data

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**Relevant H and EUH statements (number and full text)**

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

**Further Information**

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 delivery specifications are contained in the corresponding product sheet.

This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

The provision of the safety data sheet does not automatically guarantee the marketability of the product. (n.a. = not applicable; n.d. = not determined)

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*