

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Katrin Hand Sanitizing Gel 223417/32440

Revision date: 13.09.2016

Product code: 00320-0106-GHS

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

##### 1.1. Product identifier

Katrin Hand Sanitizing Gel

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

###### Use of the substance/mixture

Hand disinfectant

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

Company name:	Metsä Tissue Oyj	
	Customer Service	
Place:	FI-35801 Mänttä	
Telephone:	+ 358 (0)10 464 7222	Telefax: + 358 3 474 2957
e-mail:	info.katrin.sds@metsagroup.com	
Internet:	www.katrin.com	
Responsible Department:	Responsible for the safety data sheet: sds@gbk-ingelheim.de	
<b>1.4. Emergency telephone number:</b>	INTERNATIONAL: +49 - (0) 6132 - 84463, GBK GmbH (24h - 7d/w - 365d/a) England and Wales: NHS Direct - 0845 4647; Scotland: NHS 24 - 08454 24 24 24	

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Regulation (EC) No. 1272/2008

Hazard categories:

Flammable liquid: Flam. Liq. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Highly flammable liquid and vapour.

Causes serious eye irritation.

Harmful to aquatic life with long lasting effects.

##### 2.2. Label elements

###### Regulation (EC) No. 1272/2008

Signal word: Danger

Pictograms:



###### Hazard statements

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.

###### Precautionary statements

P102	Keep out of reach of children.
P101	If medical advice is needed, have product container or label at hand.
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



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P337+P313  
P501

present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.  
Dispose of contents/container to approved disposal company or local collection.

#### 2.3. Other hazards

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	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
64-17-5	Ethanol			80 %
	200-578-6	603-002-00-5	01-2119457610-43	
	Flam. Liq. 2, Eye Irrit. 2; H225 H319			
112-72-1	Tetradecanol			< 2,5 %
	204-000-3		01-2119485910-33	
	Eye Irrit. 2, Aquatic Chronic 1; H319 H410			

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

### 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

Consult a doctor if skin irritation persists.

##### 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

Rinse out mouth and give plenty of water to drink.  
Seek medical treatment immediately.  
If swallowed or in the event of vomiting, risk of entering the lungs.

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

Causes serious eye irritation.  
Inhalation of vapours in high concentration can cause narcotic effects.  
May cause irritation of the mucous membranes.

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

Treat symptoms.



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**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

Risk of formation of toxic pyrolysis products.

**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**

In case of vapour formation use respirator.

Ensure adequate ventilation.

Use personal protective clothing.

Keep away sources of ignition.

**6.2. Environmental precautions**

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

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

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Shovel into 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**

Use only in well-ventilated areas.

Use solvent-resistant equipment.

Avoid spilling or spraying in enclosed areas.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

Take measures against electrostatically charging.

Vapours are heavier than air and spread along ground.

Vapour/air mixture is explosive, even in empty uncleaned receptacles.

**7.2. Conditions for safe storage, including any incompatibilities**

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#### Requirements for storage rooms and vessels

Keep container tightly closed in a dry, cool and well-ventilated place.  
Protect containers from heat / overheating.  
Keep only in original container.

#### Advice on storage compatibility

Incompatible with oxidizing agents.

#### Further information on storage conditions

Keep away from food, drink and animal feeding stuffs.

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

Hand disinfectant

### 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
		-	-		STEL (15 min)	WEL

#### 8.2. Exposure controls

##### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

##### Protective and hygiene measures

Do not breath vapours or spray mist.  
When using do not eat, drink or smoke.  
Avoid contact with eyes.  
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.

##### Skin protection

Long sleeved clothing (EN 368).

##### 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: Gel  
Colour: Colourless  
Odour: Alcoholic

pH-Value (at 20 °C): 7,5 - 8,5

#### Test method

##### Changes in the physical state

Melting point: < - 20 °C  
Initial boiling point and boiling range: approx. 85 °C



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Flash point:	14 °C
Lower explosion limits:	3,5 vol. %
Upper explosion limits:	15 vol. %
Ignition temperature:	> 425 °C
Density (at 20 °C):	0,833 - 0,843 g/cm <sup>3</sup>
Water solubility: (at 20 °C)	Miscible
Viscosity / dynamic: (at 20 °C)	approx. 250 mPa·s

**9.2. Other information**

No data available.

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

No decomposition if stored and applied as directed.

**10.2. Chemical stability**

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**

Carbon monoxide and carbon dioxide

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

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

LD50/oral/rat: &gt; 10 g/kg (OECD 401)

**Irritation and corrosivity**

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Skin irritation: Not classified.

**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.



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**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****Other observations**

Inhalation of vapours in high concentration can cause narcotic effects .

Components of the product may be absorbed into the body through the skin.

May cause irritation of the mucous membranes.

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

Ecological data are not available.

Harmful to aquatic life with long lasting effects.

**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**

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

**12.6. Other adverse effects**

Product can contain organically bound halogen and contribute to the adsorbable organic halogen value.

Low hazard to waters.

**Further information**

Ecological injuries are not known or expected under normal use.

Do not discharge into surface waters/groundwater.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Can be incinerated, when in compliance with local regulations.

Where possible recycling is preferred to disposal.

**Waste disposal number of waste from residues/unused products**

070604 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; other organic solvents, 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)**

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**14.1. UN number:** UN 1987  
**14.2. UN proper shipping name:** ALCOHOLS, N.O.S. (Ethanol)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Classification code: F1  
Limited quantity: 1 L / 30 kg  
Excepted quantity: E2  
Transport category: 2  
Hazard No: 33  
Tunnel restriction code: D/E

**Inland waterways transport (ADN)**

**14.1. UN number:** UN 1987  
**14.2. UN proper shipping name:** ALCOHOLS, N.O.S. (Ethanol)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Classification code: F1  
Special Provisions: 274 601 640D  
Limited quantity: 1 L / 30 kg  
Excepted quantity: E2

**Marine transport (IMDG)**

**14.1. UN number:** UN 1987  
**14.2. UN proper shipping name:** ALCOHOLS, N.O.S. (Ethanol)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



Marine pollutant: No  
Limited quantity: 1 L / 30 kg  
Excepted quantity: E2  
EmS: F-E, S-D

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

**14.1. UN number:** UN 1987  
**14.2. UN proper shipping name:** ALCOHOLS, N.O.S. (Ethanol)  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
Hazard label: 3



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Limited quantity Passenger:	1 L
Passenger LQ:	Y341
Excepted quantity:	E2
IATA-packing instructions - Passenger:	353
IATA-max. quantity - Passenger:	5 L
IATA-packing instructions - Cargo:	364
IATA-max. quantity - Cargo:	60 L

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

Take the usual precautions when handling with chemicals.

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

The transport takes place only in approved and appropriate packaging.

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

2004/42/EC (VOC): 80 %

**National regulatory information**

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.

Water contaminating class (D): 1 - slightly water contaminating

**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****Abbreviations and acronyms**

Changes in chapter: 3

**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





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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

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

- |      |   |
|------|---|
| H225 | Highly flammable liquid and vapour.                   |
| H319 | Causes serious eye irritation.                        |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects.    |

**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.

(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.)*

