

1757100

Printing date: 15.03.2018

Reviewed on: 13.12.2016

01 Identification of substance

• 1.1 Product details:

Trade name:

FILLER STERILE SPRAY

• Article number:

408001

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

See the following or attachments.

• Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

• Application of the substance / the preparation

Cleaning material/ Detergent

• 1.3 Supplier details:

• Manufacturer/Supplier:

WIGOL W Stache GmbH

chemische Fabrik

Textorstraße 2

D-67547 Worms

Fax : +49-(0)6241-414141

Tel.: +49-(0)6241-4141-0

• Informing department:

Laboratory Department

TEL:+49(0)6241 4141 0; FAX:+49(0)6241 4141 41; mail: kontakt@wigol.de

• 1.4 Emergency information:

TEL: +49 (0) 6131 19240 Poison Information Center Mainz, Germany <http://www.giftinfo.uni-mainz.de/>

02 Hazard identification

• 2.1 Classification of the substance or mixture

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



GHS02

Flam. Liq. 2 - H225 Highly flammable liquid and vapour.



GHS07

Eye Irrit. 2 - H319 Causes serious eye irritation.

• 2.2 Label elements

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

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

• Hazard pictograms



GHS02 GHS07

• Signal word

Danger

• Hazard-determining components of labelling:

ethyl alcohol

• Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

• Precautionary statements

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

P233 Keep container tightly closed.



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- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
 P243 Take precautionary measures against static discharge.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water shower.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.
 P370+P378 In case of fire: Use for extinction: CO₂, powder or water spray.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P501 Dispose of contents/container in accordance with local/regional/ national/international regulations.
- **2.3 Additional information:**
 - **Results of PBT and vPvB assessment**
 According to Annex XIII, XIV of Regulation (EC) No.1907/2006 concerning REACH Not fulfilling PBT (persistent bioaccumulative/toxic) criteria. Not fulfilling vPvB (very persistent/very bioaccumulative) criteria. Self classification
 - **PBT:**
 Not applicable.
 - **vPvB:**
 Not applicable.

03 Composition/Data on components

- **3.2 Chemical characterization**
 - **Description:**
 Solution of substances listed below with non declarable additions.
 - **Dangerous components:**
- | CAS Number | | % |
|------------|---|-------|
| 64-17-5 | ethyl alcohol | >30,0 |
| | EC Number: 200-578-6 | |
| | Record number 01-2119457610-43 | |
| |  Flam. Liq. 2 - H225;  Eye Irrit. | |
| | 2 - H319 | |

04 First aid measures

- **4.1 Description of first aid measures**
- **General information**
 Instantly remove any clothing soiled by the product.
 Personal protection for the First Aider.
- **After inhalation**
 Supply fresh air and call for doctor for safety reasons.
- **After skin contact**
 Instantly wash with water and soap and rinse thoroughly.
- **After eye contact**
 Rinse opened eye for several minutes under running water. Then consult doctor.
 Use eye protection.
- **After swallowing**
 Rinse out mouth.
 Drink copious amounts of water and provide fresh air. Instantly call for doctor.
 Do not induce vomiting; instantly call for medical help.
 During spontaneous vomiting hold the head of the casualty onto low with the body in a prone position in order to avoid the penetration of vomit into the air tube.
- **Information for doctor**
 Information see: GESTIS-database on hazardous substances www.dguv.de/ifa/gestis/gestis-stoffdatenbank/
- **4.2 The following symptoms may occur:**
 No further relevant information available.

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- **Danger**
No further relevant information available.
- **Treatment**
No further relevant information available.

05 Fire fighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**
CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents**
Not known.
- **5.2 Special hazards caused by the material, its products of combustion or flue gases:**
Carbon oxides (CO_x)
- **5.3 Advice for firefighters**
- **Protective equipment:**
Keep breathing equipment ready.
Wear protective equipment. Keep unprotected persons away.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

06 Accidental release measures

- **6.1 Person-related safety precautions:**
Wear protective equipment. Keep unprotected persons away.
- **6.2 Measures for environmental protection:**
Dilute with much water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.
- **6.3 Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
Dispose of the material collected according to regulations.
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **6.4 Additional information:**
Other regulations, limitations and prohibitive regulations see chapter 15

07 Handling and storage

- **Handling**
- **7.1 Information for safe handling:**
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Technically and precautionary measures**
Store cold in the original bundle
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and containers:**
Store only in the original container.
Store in cool location.
Observe official regulations on storing packagings with dangerous goods
- **Information about storage in one common storage facility:**

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- Store away from foodstuffs.
- Further information about storage conditions:**
Store in cool, dry conditions in well sealed containers.
Protect from heat and direct sunlight.
Protect from frost.
- Storage class**
3
Storage classes according TRGS 510
- 7.3 Specific end use(s)**
No further relevant information available.

08 Exposure controls and personal protection

- Additional information about design of technical systems:**
No further data; see item 7.

- 8.1 Control parameters**
- workplace:**

Components with critical values that require monitoring at the workplace
64-17-5 ethyl alcohol
AGW

<i>Long-term value</i>	<i>960</i>	<i>mg/m3</i>
	<i>500</i>	<i>ppm</i>
<i>2(II);DFG, Y</i>		

- Additional information:**
The lists that were valid during the compilation were used as basis.
- 8.2 Exposure controls**
- Personal protective equipment**
- General protective and hygienic measures**
Keep away from foodstuffs, beverages and food.
Wash hands during breaks and at the end of the work.
Instantly remove any soiled and impregnated garments.
Avoid contact with the eyes and skin.
Other regulations, limitations and prohibitive regulations see chapter 15
- Breathing equipment: Use breathing protection when aerosol or mist is formed (FFP2SL) Combination filter ABEK Other regulations, limitations and prohibitive regulations see chapter 15**
- Protection of hands: Preventive skin protection by use of skin-protecting agents is recommended. Protective gloves - EN 374 (Butyl india rubber, Viton) Other regulations, limitations and prohibitive regulations see chapter 15**
- Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Tightly sealed goggles (EN 166) Other regulations, limitations and prohibitive regulations see chapter 15**
- Body protection: Protective work clothing EN 340 - Protective clothing, general requirements Chemical protective clothing - EN 463 following Other regulations, limitations and prohibitive regulations see chapter 15**

09 Physical and chemical properties**9.1 Information on basic physical and chemical properties****Appearance****Appearance:****Form:** Fluid

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Colour:	Colourless
Smell:	Alcohol-like
Odour threshold:	Not determined.
ph-value:	at 20 °C 6,5+-1,0 (10,000 g/l water)
CHANGE IN CONDITION range/value unit method	
Melting point/Melting range:	Not determined
Boiling point/Boiling range:	> 80 °C
Flash point:	> 21 °C
Inflammability (solid, gaseous)	Not applicable.
Ignition temperature:	> 400 °C
Decomposition temperature:	Not determined.
Self-inflammability	Not determined.
Danger of explosion:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
Critical values for explosion:	
Lower:	3 Vol %
Upper:	15 Vol %
Steam pressure:	at 20 °C 59,0000 bar at 50 °C 280,0000 bar
Density	0,8500 - 0,8800 g/cm ³ 20°C
Solubility in / Miscibility with Water:	
	Not determined.
Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
Solvent content:	
Organic solvents:	75,00 %
VOC (EC)	649,50 g/l 75,0000 %
9.2 Additional information	No further relevant information available.

10 Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions**
No dangerous reactions known.
- **10.4 Conditions to avoid**
No further relevant information available.
- **10.5 Materials to be avoided:**
No further relevant information available.
- **Dangerous reactions**
No dangerous reactions known
- **10.6 Dangerous products of composition:**
No dangerous decomposition products known

11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **LD/LC50 values that are relevant for classification:**
64-17-5 ethyl alcohol
Oral, LD50: 10470 mg/kg (rat)

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Dermal, LD50: 2001 mg/kg (Rabbit)
Inhalative, LC50 (4h): 117 mg/l (mouse)

- **Primary irritant effect:**

- **on the skin:**

No irritant effect.

- **on the eye:**

Irritant effect.

- **Sensitization:**

No sensitizing effect known.

- **Other information (about experimental toxicology):**

Note: If the toxicity data relate to the mixture, the calculation is made in accordance with Annex VI, Part 3 of Regulation (EC) 1272/2008. If toxicity data are listed for individual substances they do not refer to the proportions in the mixture, but only on the materials in their standard concentrations.

12 Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

64-17-5 ethyl alcohol

Oncorhynchus mykiss, LC50 (96h): 13000 mg/l

Selenastrum capricornutum, EC50 (48h): 12900 mg/l

Daphnia magna, LC50 (48h): 12340 mg/l

- **12.2 Information about elimination (persistence and degradability):**

No further relevant information available.

- **Behaviour in environmental systems:**

No further relevant information available.

- **12.4 Mobility in soil**

No further relevant information available.

- **Ecotoxicological effects:**

- **Behaviour in sewage processing plants:**

If appropriate diluted product reaches the sewage processing plant, there will be no disturbance of the biodegradable activities.

- **Additional ecological information:**

- **CSB-value:**

Not determined.

- **BSB5-value:**

Not determined

- **AOX-indication:**

Product contains no organic bounded halogen

- **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

If product reaches untreated water systems, hazardous effects on fish and other water organism are possible.

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

- **PBT:**

Not applicable.

- **vPvB:**

Not applicable.

- **12.6 Other adverse effects**

No further relevant information available.

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13 Disposal considerations• **13.1 Product:**• **Recommendation**

The allocation of the waste disposal key number is to be executed by the user according to the European waste disposal catalog (EAK) industry and product specific (origin-referred).

The waste keys are only referring to concentrated products.

• **European waste catalogue**

07

WASTES FROM ORGANIC CHEMICAL PROCESSES

07 06

wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics

07 06 99

wastes not otherwise specified

• **Uncleaned packagings:**• **Recommendation:**

Disposal must be made according to official regulations.

• **Recommended cleaning agent:**

Water, if necessary with cleaning agent.

14 Transport information• **14.1 UN-Number****ADR**

UN1170

IMDG

UN1170

IATA

UN1170

• **14.2 UN proper shipping name****ADR**

1170 ETHANOL (ETHYL ALCOHOL), MIXTURE

IMDG

ETHANOL (ETHYL ALCOHOL), MIXTURE

IATA

ETHANOL (ETHYL ALCOHOL), MIXTURE

• **14.3 Transport hazard class(es)****ADR****Class**

3 (F1) Flammable liquids.

Label**IMDG****Class**

3 Flammable liquids.

Label**IATA****Class**

3 Flammable liquids.

Label• **14.4 Packing group**

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ADR	II
IMDG	II
IATA	II
• 14.5 Environmental hazards:	
Marine pollutant:	No
• 14.6 Special precautions for user	
Warning: Flammable liquids.	
Danger code (Kemler):	33
EMS Number:	F-E,S-D
• 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	
Not applicable.	
• Transport/Additional information:	
-	
Excepted quantities (EQ):	E2
Limited quantities (LQ)	1L
Transport category	2
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	E2
• UN "Model Regulation":	
UN 1170 ETHANOL (ETHYL ALCOHOL), MIXTURE, 3, II	

15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **REGULATION (EC) No 1907/2006 ANNEX XVII**
Conditions of restriction: 3
- **National regulations**
Germany: Technical rules for dangerous materials (TRGS) in particular consider:
TRGS 500 Protection measures : minimum standards
TRGS 531 endangerment of the skin by work in the damp environment (damp work)
TRGS 201 Classification and marking from wastes to the removal while handling
Germany: Regard the principles of the professional organizations rules (BGR) in particular consider:
BGR 197: Use of skin protection
- **Classification after plant security regulation (BetrSichV):**
Highly flammable.
- **Technical instructions (air):**
No further details
- **Water hazard class:**
In accordance with VwVwS appendix 4
Water hazard class 1 (E) : slightly hazardous for water.Self-assessment
- **Other regulations, limitations and prohibitive regulations**
- **x**
"Arbeitsmedizinische Vorsorge" (DGUV-V6)
- **15.2 Chemical safety assessment:**
A Chemical Safety Assessment has not been carried out.

16 Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**
H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.

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- **Training hints**

Consider annual instruction and training of the coworkers
Contents and time of the instruction are to be held in a written form and must be confirmed by the instructing people by signature. Consider storage time of the proof.

- **Recommended restriction of use**

No public product - only for commercial applications.

- **Department issuing data specification sheet:**

Laboratory department.

- **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)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

GHS: Globally Harmonised 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)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

- *** Data compared to the previous version altered.**

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