



**ST0022**  
500 ml Sanitising Spray



- Effective spray disinfectant for hands and flat surfaces

**70% Alcohol**

**ST0022**

## **500 ml Sanitising Spray**

- Effective spray disinfectant for hands and flat surfaces.

Prepared based on EU Regulation No 1907/2006 (REACH)

## Safety Data Sheet

Produced: 01-04-2020

SDS version: 1.1

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### SECTION 1: Product and company identification

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#### 1.1. Product identification

Trade name: Surgical spirit 70 %

Product No: -

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

Recommended uses: Chemical.

Uses advised against: Should only be used as described above, any other uses must be determined in consultation with the supplier.

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

##### Company name and address:

VELTUFF® REAL WORKWEAR  
Jydekrogen 18  
2625 Vallensbæk  
Tel: +45 43 75 75 11

##### Contact person and email:

[saig@veltuff.com](mailto:saig@veltuff.com)

##### This safety data sheet was prepared and validated by:

mediator A/S, Centervej 2, 6000 Kolding. Konsulent: SJ

#### 1.4. Emergency telephone No

The Danish Poison Control Hotline: +45 82 12 12 12

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## SECTION 2: Hazard(s) identification

### 2.1. Classification of the substance or compound

CLP (1272/2008): Flam. Liq. 2;H225, Eye Irrit. 2;H319.

Hazard statements – see section 16 below.

### 2.2. Label elements



**Signal word:**

Hazard

Highly flammable liquid and vapour. (H225)

Causes serious eye irritation. (H319)

If medical attention is required, bring the container or the label. (P101)

Keep away from children. (P102)

Keep away from heat, hot surfaces, sparks, open fire and other sources of combustion. No smoking. (P210)

Wear protective gloves/eye protection/face protection. (P280)

If eye irritation persists: Seek medical attention. (P337+P313)

Store in a well-ventilated place. Keep the container closed. (P403+233) Dispose of contents/container according to local regulations. (P501)

### 2.3. Other hazards

This product contains organic solvents. Repeated exposure to organic solvents may cause damage to the central nervous system and internal organs such as liver and kidneys.

**Other labelling:**

-

**Misc.**

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## SECTION 3: Composition of/information on ingredients

### 3.1./3.2. Substances/Mixtures

Substance	Index No/ REACH-Reg No	CAS/EF No	CLP classification	w/w %	Note
Ethanol	603-002-00-5 / 01-2119457610-43-xxxx	64-17-5 / 200-578-6	Flam. Liq. 2;H225, Eye Irrit. 2;H319,	60-80	1, 2
Propan-2-ol	603-117-00-0 / 01-2119457558-25-xxxx	67-63-0 / 200-661-7	Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336	1-5	1

1 = This substance is included in the Danish Working Environment Authority's list of organic solvents.

2 = Eye Irrit. 2: C ≥ 50 %

Hazard statements – see section 16 below.

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## SECTION 4: First aid measures

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### 4.1. Description of first aid measures

If inhaled:	Seek fresh air. Keep the injured under observation. If discomfort persists, seek medical attention.
If ingested:	Rinse your mouth carefully and sip 1-2 glasses of water. If discomfort persists, seek medical attention.
In case of skin contact:	Remove stained clothing. Wash skin with water and soap. If discomfort persists, seek medical attention.
In case of eye contact:	In case of eye contact, flush with water (preferably from an eye rinser) until irritation desists. If irritation persists, seek medical attention.
Burns:	Rinse with water until pains desist. Remove clothing which is not stuck – seek medical/hospital attention, if possible, continue rinsing with water until medical staff takes over treatment.
Other information:	If medical attention is required, bring this safety data sheet or the label.

### 4.2. Primary symptoms and effects, both acute and delayed

Irritants: This product contains substances which may cause local skin/eye irritation or irritation on inhalation. Contact with substances causing local irritation may result in the area of contact becoming more susceptible to the uptake of hazardous substances such as allergens.

### 4.3. Specification of whether immediate medical attention and specific treatment is required

Show this safety data sheet to the medical practitioner or emergency room attendant.

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## SECTION 5: Fire-fighting measures

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### 5.1. Extinguishing media

Extinguish using powder, foam, carbon dioxide or water mist. Do not use water, as this may spread the fire.

### 5.2. Specific hazards connected to the substance or the mixture

Highly flammable liquid and vapour. Avoid inhaling fumes and smoke – seek fresh air. In case of fire, this product decomposes and hazardous fumes such as CO<sub>x</sub> may form. In case of fire, a thick, black smoke will form. Exposure to decomposition products is hazardous to health.

### 5.3. Instructions for fire-fighters

Fire-fighters should wear suitable protective equipment.

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## SECTION 6: Accidental release measures

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### 6.1. Personal safety precautions, personal protective equipment and emergency procedures

Use personal protective equipment – see section 8. Avoid static electricity. Avoid inhalation and contact with skin and eyes.

### 6.2. Environment protection measures

Avoid the emission of greater quantities of spillage and remnants through the drain – see section 12.

### 6.3. Methods and equipment for containment and cleaning up

Spillages are contained and collected using sand or another absorbent, non-flammable material and placed in suitable waste containers. Further on the handling of spillages – see section 13.

### 6.4. Reference to other sections

See above.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

See section 8 for information on precautions when using and personal protective equipment. No smoking and no use of open fire. Use this product in well-ventilated conditions. Running water and eye rinsers should be accessible.

### 7.2. Conditions for safe storage, including possible incompatibility

This product should be stored safely, away from children and not with foods, feed, pharmaceuticals, or the like. Store in the tightly closed, original packaging. Store in a dry, cool and well-ventilated place. Carefully follow the technical instructions of the Danish Emergency Management Agency relating to flammable liquids, including the regulations relating to flammable stock.

### Fire hazard class and stock

Fire hazard class I-2, one stock unit = 1 litre.

A maximum stock of 25 units is permitted without the approval of the fire authorities. Be aware that exemptions may apply, cf. Section 3.1.2. of Executive Order of the Danish Ministry of Defence No 1639 of 6/12/2016 on inflammable and combustible liquids.

### 7.3. Special uses

See use, section 1.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Threshold values cf. Executive Order No 655 of 13/05/2018 on threshold values for substances and materials, as amended:

Ingredients	Threshold value	Note
Ethanol	1000 ppm – 1900 mg/m <sup>3</sup>	-
Propan-2-ol	200 ppm - 490 mg/m <sup>3</sup>	-

### DNEL/PNEC values:

DNEL - Ethanol:

#### Employees

Inhalation - Chronic Systemic	950 mg/m <sup>3</sup>
Dermal - Chronic Systemic	343 mg/kg bw/day

#### Users

Inhalation - Chronic Systemic	114 mg/m <sup>3</sup>
Dermal - Chronic Systemic	206 mg/kg bw/day
Oral - Chronic Systemic	87 mg/kg bw/day

DNEL - Propan-2-ol:

#### Employees

Inhalation - Chronic Systemic	500 mg/m <sup>3</sup>
Dermal - Chronic Systemic	888 mg/kg bw/day

#### Users

Inhalation - Chronic Systemic	89 mg/m <sup>3</sup>
Dermal - Chronic Systemic	319 mg/kg bw/day
Oral - Chronic Systemic	26 mg/kg bw/day

PNEC - Ethanol:

Freshwater	0.96 mg/L
Intermittent releases (Freshwater)	2.75 mg/L
Seawater	0.79 mg/L
Soil	0.63 mg/kg soil dw

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**PNEC - Propan-2-ol:**

Freshwater	140.9 mg/L
Intermittent releases (Freshwater)	140.9 mg/L
Seawater	140.9 mg/L
Soil	28 mg/kg soil dw

**8.2. Exposure control**

There is no exposure scenario applicable to this product.

**Suitable precautions for exposure control:**

Use protective equipment as indicated below. Wash hands before breaks, toilet visits and at the end of work. Do not eat, drink or smoke when using this product.

**Personal protective equipment:**



Respiratory protection:	Normally not required. Medium use (medium volume, medium-length exposure (> 1 hour)): Use respiratory protection with filter A2.
Protection of hands:	Nitrile rubber recommended. Permeation: > 480 min.
Protection of eyes/face:	Use protective eyewear when at risk of spatter in eyes.
Protection of skin:	Normally not required.

**Precautions limiting exposure to the environment**

When using, ensure the that containing materials are available in the immediate vicinity. If possible, use a drip tray during work.

**SECTION 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

Appearance:	Colourless liquid
Odour:	Alcohol
Odour threshold:	-
pH:	-
Melting point/freezing point (°C):	-
Initial boiling point and boiling range (°C):	-
Flash point (°C):	21
Evaporation rate:	-
Flammability (solid, gas):	-
Upper/lower flammability or explosion limits (vol-%):	-
Vapour pressure:	-
Vapour density (air=1):	-
Relative density:	0.789
Solubility:	Water-soluble
Partition coefficient: n-octanol/water:	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
Viscosity:	-
Explosive properties:	-
Oxidising properties:	-



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## 9.2. Other information

Organic solvents (Vol%):	-
VOC:	-

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts under heat generation with oxidising agents (e.g. nitric acid).

### 10.2. Chemical stability

The product is stable when used as instructed by the supplier. Flammable at temperatures above the flash point. Emitted vapours may be ignited by e.g. a spark, a hot surface or an ember.

### 10.3. Risk of hazardous reactions

Emitted vapours may be ignited by e.g. a spark, a hot surface or an ember.

### 10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

### 10.5. Incompatible materials

Avoid contact with strong acids, strong bases, strong oxidising agents and strong reducing agents.

### 10.6. Hazardous decomposition products

When exposed to fire or immense heating, this product decomposes and hazardous vapours such as CO<sub>x</sub> may form.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Acute toxicity:** The underlying data does not give rise to classification.

Substance	Routes of exposure	Species	Test	Result
Ethanol	Oral	Rat	LD50	10470 mg/kg bw
Ethanol	Inhalation	Rat	LC50/ 4 Timer	116.9 mg/L air
Propan-2-ol	Oral	Rat	LD50	5.84 g/kg bw
Propan-2-ol	Inhalation	Rat	LC50/ 6 timer	ca. 5000 ppm
Propan-2-ol	Dermal	Rabbit	LD50	16.4 mL/kg bw

**Skin corrosion / irritation:** May be irritating on the skin - may cause redness.

**Serious eye damage /eye irritations:** Eye irritant. Causes stinging and tearing.

**Respiratory sensitisation or skin sensitisation:** The underlying data does not give rise to classification.

**Germ cell mutagenicity:** The underlying data does not give rise to classification.

**Carcinogenicity:** The underlying data does not give rise to classification.

**Reproductive toxicity:** The underlying data does not give rise to classification.

**Single STOT exposure:** The product releases vapours from organic solvents that may cause drowsiness and dizziness. At high concentrations, the vapours may cause headaches and intoxication.

**Repeated STOT exposures:** Long-term or repeated inhalation of vapours may cause damage to the central nervous system.

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**Aspiration hazard:** The underlying data does not give rise to classification.

## SECTION 12: Ecological information

### 12.1. Toxicity

Substance	Duration of test	Species	Test	Result
Ethanol	96 Hours	Fish	LC50	14.2 g/L
Ethanol	48 Hours	Daphnia	LC50	5012 mg/L
Ethanol	72 Hours	Algae	EC50	275 mg/L
Propan-2-ol	96 Hours	Fish	LC50	9640 mg/L
Propan-2-ol	24 Hours	Daphnia	LC50	> 10000 mg/L

### 12.2. Persistence and decomposition

Substance	Decomposition in the aquatic environment	Test	Result
Ethanol	Yes	BOD	5 days: 74%
Propan-2-ol	Yes	EU Method C.5	5 days: 53%

### 12.3. Potential bioaccumulation

Substance	Potential bioaccumulation	LogPow	BCF
Ethanol	No	-0.35	-
Propan-2-ol	No	0.05	-

### 12.4. Mobility in soil

No test data available.

### 12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB.

### 12.6. Other negative effects

None.

## SECTION 13: Disposal considerations

### 13.1. Methods for waste treatment

The product is covered by the conventions on hazardous goods. Collect waste in closed and tight containers which are disposed of in the municipal waste management scheme for hazardous waste of the specification set out below.

Chemical waste group	EAK code	Type of waste
C	14 06 03	Other solvents and solvent mixtures

### Special comments:

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### Polluted packaging:

Empty packaging and remnants must be disposed of in a similar manner to the product.



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## SECTION 14: Transport information

This product is covered by the conventions on the transportation of hazardous goods on the road and at sea in accordance with ADR and IMDG.

### 14.1 -14.4.

#### ADR

UN No:	UN proper shipping name (UN proper shipping name)	Transport hazard class(es)	Packaging group
1170	ETHANOL, SOLUTION (ETHYL ALCOHOL SOLUTION)	3	II

#### IMDG

UN No:	Proper shipping name	Transport hazard class(es)	Packing group
1170	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	3	II

### 14.5. Environmental hazards

-

### 14.6. Special user precautions

Tunnel code: (D/E).

### 14.7. Bulk transport according to appendix II to MARPOL 73/78 and the IBC code

Not relevant.

## SECTION 15: Regulatory information

### 15.1. Special provisions/legislation applicable to the substance or the mixture in relation to safety, health and the environment

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#### Restrictions on use:

A workplace assessment should be carried out to ensure that employees are not exposed to effects causing a risk to pregnant or nursing women (cf. Executive Order No 559 of 17/06/2004 on the performance of work).

Young persons under 18 years of age are not permitted to use or be exposed to this product in the context of any employment. However, young persons over 15 years of age are exempt from this provision, if this product forms a necessary part of training. (cf., however, Executive Order of the Danish Working Environment Authority No 239 of 6 April 2005 on young people at work).

#### Requirements for special training:

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#### Other labelling:

Pr. No: 4156011.

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#### Sources:

Executive Order of the Danish Working Environment Authority No 301 of 13 May 1993 on the determination of code numbers, as amended.  
Executive Order on working with substances and materials (chemical agents) - BEK No 1793 of 18/12/2015.  
Executive Order of the Danish Working Environment Authority No 239 of 6 April 2005 on young people at work, as amended.  
Executive Order No 1369 of 25 November 2015 on marketing and labelling of volatile organic compounds in certain paints and lacquers as well as products for lacquering during auto repairs.  
Executive Order No 1075 of 24 November 2011 on the classification, packaging, labelling, sale and storage of substances and mixtures, as amended.  
Executive Order No 115 of 26 January 2017 pursuant to the Consolidation Act on Chemical Substances and Products.  
Executive Order on special duties on manufacturers, suppliers and importers, etc. of substances and materials pursuant to the Consolidation Act on the Working Environment - BEK No 1794 of 18/12/2015.  
Executive order No 655 of 31/05/2018 on threshold values for substances and materials, as amended.  
Executive Order No 224 of 08/03/2019 on waste, as amended.

#### 15.2. Chemical safety assessment

None.

### SECTION 16: Other information

#### Other information:

##### Sources:

EU Regulation No 1907/2006 (REACH).  
EU Regulation No 1272/2008 (CLP), as amended.  
EU Regulation No 276/2010.  
ECHA – The European Chemicals Agency.

#### The full wording of hazard statements mentioned in sections 2+3:

H225 – Highly flammable liquid and vapour.  
H319 – Causes serious eye irritation.  
H336 – May cause drowsiness or dizziness.

Classification according to Regulation EC) No 1272/2008:	
Flam. Liq. 2;H225	Based on test data
Eye Irrit. 2;H319	Method of calculation

#### Abbreviations and acronyms used in this safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.  
CLP: Regulation (EC) No 1272/2008 on classification, labelling and packaging  
CAS-nr.: Chemical Abstracts Service-number.  
EC No: EINECS and ELINCS number (see also EINECS and ELINCS).  
DNEL: Derived No-Effect Level.  
PNEC: Predicted No Effect Concentration.  
STOT: Specific Target Organ Toxicity.  
LD50: Lethal Dose for 50 % of a test population.  
LC50: Lethal Concentration for 50 % of a test population.  
EC50: The efficient substance concentration causing 50 % of maximum response.  
PBT: Persistent, bioaccumulative and toxic substance.  
vPvB: Very Persistent and Very Bioaccumulative.

#### Miscellaneous

The information contained in this safety data sheet only applies to the product specified in section 1 and does not necessarily apply to use combined with other products.

Prepared based on EU Regulation No 1907/2006 (REACH)

**Changes have been made to the following sections:**

1- 16 General update.

**This safety data sheet replaces version:**

1.0 (26-11-2018).

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