

## Safety data sheet

acc. to 1907/2006/EC, Article 31 (REACH), 1272/2008/EC (CLP)

Version number 0

Revision: 27.03.2020

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

. **1.1 Product identifier**

. Trade name ESEPT V

. **1.2 Application of the substance / the mixture** Disinfectant

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

. **Manufacturer/Supplier:**

Medentech Ltd, Clonard, Wexford, Ireland

. **Information:**

info@medentech.com

+(0) 353 53 917900

. **1.4 Emergency telephone number:**

Ireland: Poisons Information for medical professionals:

Telephone 01 809 2566 (8.00am – 10.00pm).

### SECTION 2: Hazards identification

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

. **Classification according to Regulation (EC) No 1272/2008**

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

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 statements**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

. **Precautionary statements**

P233 Keep container tightly closed.

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

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P243 Take precautionary measures against static discharge.

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.

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P403+P235 Store in a well-ventilated place. Keep cool.

**Information pertaining to particular dangers for man and environment**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

### SECTION 3: Composition/information on ingredients

**3.2 Chemical characterisation: Mixtures**

**Description:** Mixture of the substances listed below with harmless additions.

**Dangerous components:**

CAS: 64-17-5	ethanol	50 - 100%
EINECS: 200-578-6	Flam. Liq. 2, H225	
Index number: 603-002-00-5		

**SVHC** No

**Additional information**

For the wording of the listed hazard phrases refer to section 16.  
This preparation is classified as irritant, although the individual constituents are not hazardous.

### SECTION 4: First aid measures

**4.1 Description of first aid measures**

**General information** Instantly remove any clothing soiled by the product.

**After inhalation :**

Supply fresh air; consult doctor in case of symptoms.  
In case of unconsciousness bring patient into stable side position for transport.

**After skin contact :**

Wash with water and soap.  
If skin irritation continues, consult a doctor.

**After eye contact :**

Don't forget to remove contact lenses.  
Rinse opened eye for 15 minutes under running water. If symptoms persist, consult doctor.

**After swallowing :** Drink copious amounts of water (app. 500 ml) and provide fresh air. Instantly call for doctor.

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

The most important known symptoms and effects are described in the labelling (see section 2) and / or in section 11. Further important symptoms and effects are so far not known.

Causes serious eye irritation.

After intake very large quantities:

Narcotic conditions

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

No specific antidot is known. Treatment of the symptoms.

### SECTION 5: Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing agents**

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fire with alcohol-resistant foam.

**For safety reasons unsuitable extinguishing agents** Water with a full water jet.

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

Fire can cause release of :  
Carbon oxides (CO and CO<sub>2</sub>)  
Can form explosive gas-air mixtures.

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- . **5.3 Advice for firefighters**
- . **Protective equipment:** Wear full protective suit.
- . **Additional information** Cool endangered containers with water spray jet.

### SECTION 6: Accidental release measures

- . **6.1 Personal precautions, protective equipment and emergency procedures**
  - Ensure adequate ventilation
  - Keep away from ignition sources
  - Wear protective equipment. Keep unprotected persons away.
- . **6.2 Environmental precautions:**
  - Prevent material from reaching sewage system, holes and cellars.
  - Inform respective authorities in case product reaches water or sewage system.
  - Dilute with much water.
- . **6.3 Methods and material for containment and cleaning up:**
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).
  - Dispose of contaminated material as waste according to section 13.
  - Ensure adequate ventilation.
- . **6.4 Reference to other sections**
  - See section 7 for information on safe handling
  - See section 8 for information on personal protection equipment.
  - See Section 13 for information on disposal.

### SECTION 7: Handling and storage

- . **7.1 Precautions for safe handling**
  - Keep containers tightly sealed.
  - Store in cool, dry conditions in well sealed containers.
  - Ensure good ventilation/exhaustion at the workplace.
- . **Information about protection against explosions and fires:**
  - Fumes can combine with air to form an explosive mixture.
  - Keep away from ignition sources - Do not smoke.
  - Protect against electrostatic charges.
- . **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.
- . **Information about storage in one common storage facility:**
  - Store away from foodstuffs.
  - Store away from oxidising agents.
- . **Further information about storage conditions:**
  - Keep container tightly sealed.
  - Store in cool, dry conditions in well sealed containers.
  - Protect from heat and direct sunlight.
- . **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

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

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### . 8.1 Control parameters

#### . Components with critical values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

#### 64-17-5 ethanol

WEL (Great Britain) Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

. **Additional information:** The lists that were valid during compilation were used as a basis.

### . 8.2 Exposure controls

#### . Personal protective equipment

#### . General protective and hygienic measures

Do not eat, drink or smoke while working.  
Keep away from foodstuffs, beverages and food.  
Instantly remove any soiled and impregnated garments.  
Wash hands during breaks and at the end of the work.  
Avoid contact with the eyes and skin.

#### . Breathing equipment:

Use breathing protection with high concentrations.  
Short term filter device: ABEK-filter

#### . Protection of hands:

Protective gloves:

In case of spray contact at least protection index 2 recommended, according to more than 30 min. penetration time (EN 374).

Layer thickness of gloves at least: 0.4 mm

In case of prolonged and intensive contact protection index 6 recommended, according to more than 480 min. penetration time (EN 374).

Layer thickness of gloves at least: 0.7 mm

. **Material of gloves** Nitrile rubber, NBR

#### . 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.

. **Not suitable are gloves made of the following materials:** Leather gloves

. **Eye protection:** Tightly sealed safety glasses (DIN 58211, EN 166)

. **Body protection:** Protective work clothing (EN 465)

## SECTION 9: Physical and chemical properties

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

#### . General Information

#### . Appearance:

Form:	Liquid
Colour:	Colourless
Smell:	Alcohol-like
Odour threshold:	not determined

. pH-value (10 g/l) at 20 °C: 7.0

#### . Change in condition

Melting point/Melting range:	-114 °C
Boiling point/Boiling range:	78 °C

. Flash point: 14 °C

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. Inflammability (solid, gaseous)	Not applicable.
. Ignition temperature:	400 °C
. Decomposition temperature:	not determined
. Self-inflammability:	Product is not selfigniting.
. Danger of explosion:	Product is not explosive. However, formation of explosive air/steam mixtures is possible.
. Critical values for explosion:	
Lower:	3.1 Vol %
Upper:	27.7 Vol %
. Oxidising properties	not determined
. Steam pressure at 20 °C:	58 hPa
. Density at 20 °C	0.79 g/cm <sup>3</sup>
. Relative density	Not determined.
. Vapour density	Not determined.
. Evaporation rate	not determined
. Solubility in / Miscibility with Water:	Fully miscible
. Partition coefficient (n-octanol/water):	not determined
. Viscosity:	
dynamic:	not determined
kinematic:	Not determined.
. Solvent content:	
Organic solvents:	<85 %
. 9.2 Other information	No further relevant information available.

### SECTION 10: Stability and reactivity

- . 10.1 Reactivity No hazardous reactions when stored and handled according to instructions.
- . 10.2 Chemical stability
- . Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- . 10.3 Possibility of hazardous reactions
  - Reacts with strong oxidizing agents
  - Strong exothermic reaction with acids
  - Reacts with reducing agents
- . 10.4 Conditions to avoid Avoid sources of ignition.
- . 10.5 Incompatible materials: No further relevant information available.
- . 10.6 Hazardous decomposition products:
  - Fire can cause release of :
    - Carbon oxides (CO and CO<sub>2</sub>)
    - Can form explosive gas-air mixtures.

### SECTION 11: Toxicological information

- . 11.1 Information on toxicological effects
- . Acute toxicity Based on available data, the classification criteria are not met.

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### . LD/LC50 values that are relevant for classification:

Components	Type	Value	Species
Product ATEmix	oral	7060 mg/kg	rat

### . Primary irritant effect:

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

### . Serious eye damage/irritation

Causes serious eye irritation.

. **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

. **Additional toxicological information:** May cause drowsiness and dizziness.

. **Sensitisation** No sensitizing effect known.

. **Repeated dose toxicity** No further relevant information available.

### . CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

No further relevant information available.

. **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

. **Reproductive toxicity** 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.

## SECTION 12: Ecological information

### . 12.1 Toxicity

. **Aquatic toxicity:** No further relevant information available.

. **12.2 Persistence and degradability** Easily biodegradable

### . Behaviour in environmental systems:

#### . Components:

Product should not get in higher quantities into waste water because of its consumption of oxygen.

. **12.3 Bioaccumulative potential** Does not accumulate in organisms

. **12.4 Mobility in soil** Adsorption to solid soil phase is not expected.

### . Additional ecological information:

. **According to recipe contains the following heavy metals and compounds according to EC guideline NO. 76/464 EC:**

None

### . General notes:

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

### . 12.5 Results of PBT and vPvB assessment

. **PBT:** Not applicable.

. **vPvB:** Not applicable.

. **12.6 Other adverse effects** No further relevant information available.

## SECTION 13: Disposal considerations

### . 13.1 Waste treatment methods

#### . Recommendation

Must not be disposed of together with household garbage. Do not allow product to reach sewage system in concentrated form.

Must be specially treated in adherence to official regulations.

#### . Uncleaned packaging:

#### . Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.

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Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.  
Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

**Recommended cleaning agent:** Water, if necessary with cleaning agent.

### SECTION 14: Transport information

- . **14.1 UN-Number**
- . **ADR, IMDG, IATA** UN1170
- . **14.2 UN proper shipping name**
- . **ADR** 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
- . **IMDG** ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
- . **IATA** Ethanol solutions
- . **14.3 Transport hazard class(es)**
- . **ADR**



- . **Class** 3 (F1) Flammable liquids.
- . **Label** 3

. **IMDG, IATA**



- . **Class** 3 Flammable liquids.
- . **Label** 3
- . **14.4 Packing group**
- . **ADR, IMDG, IATA** II
- . **14.5 Environmental hazards:**
- . **Marine pollutant:** No
- . **14.6 Special precautions for user** Warning: Flammable liquids.
- . **Kemler Number:** 33
- . **EMS Number:** F-E,S-D
- . **Stowage Category** A
- . **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- . **Transport/Additional information:** Frost protected transport has to be guaranteed.

- . **ADR**
- . **Limited quantities (LQ)** 1L
- . **Excepted quantities (EQ)** Code: E2  
Maximum net quantity per inner packaging: 30 ml  
Maximum net quantity per outer packaging: 500 ml
- . **Transport category** 2
- . **Tunnel restriction code** D/E

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. <b>IMDG</b>	
. <b>Limited quantities (LQ)</b>	1L
. <b>Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
. <b>UN "Model Regulation":</b>	UN 1170 ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION), 3, II

### SECTION 15: Regulatory information

- . **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- . **Directive 2012/18/EU**
- . **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- . **Seveso category** P5c FLAMMABLE LIQUIDS
- . **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t
- . **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t
- . **National regulations**
- . **Information about limitation of use:** Employment restrictions concerning young persons must be observed.
- . **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 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.
- . **Department issuing data specification sheet:** Product Safety and Regulatory Affairs . **Contact:** info@medentech.com
- . **Abbreviations and acronyms:**  
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
ICAO: International Civil Aviation Organisation  
ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
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)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 2: Flammable liquids, Hazard Category 2  
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
- . **Sources:** source ECHA: European Chemicals Agency, <http://echa.europa.eu/>