



# MATERIAL SAFETY DATA SHEET

The document has been prepared and the Chemicals classified as hazardous in accordance With the regulation (EU) No 2015/830 on the classification, labelling and packaging of substances and mixtures (CLP)

## 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

### 1.1 Identification of the substance or preparation

Product name Hand and Skin Disinfectant

### 1.2 Use of the substance / preparation

Product type and use Biocidal Product

### 1.3 Company identification

İYON CHEM KİMYA TEKNOLOJİ San. Ve Ltd.Şti  
Marmaracık Mah. 194. Sok. No: 3 Ergene/ TEKİRDAĞ

### 1.4 Emergency telephone

For urgent inquiries refer to : +90 282 673 82 18

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EU) No 2015/830

Flam liq. 2, H225

For the full text of the H-Statements mentioned in this Section, see Section 16.

### 2.2 Label elements

Labelling according Regulation (EU) No 2015/830



Pictogram

Signal Word DANGER

Hazard statement(s)

H225 Highly flammable liquid and vapour

Precautionary statement(s)

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.



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

P242 use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P370+P378 In case of fire: Evacuate area.

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

P501 Dispose of contents/container to the regulations

## 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 3. HAZARDS IDENTIFICATION

PRODUCT	CAS NO	EC NO	CONS.(%)	CLASS[(EU) No 2015/830]
Ethanol	64-17-5	200-578-6	65-75 %	Flam. Liq 2 H225
Glycerol	56-81-5	200-289-5	0,5-5 %	--

For the full text of the H-Statements mentioned in this Section, see Section 16.

## 4. FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

No data available

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

### 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 2.2) and/or



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

No data available

## 5. FIRE-FIGHTING MEASURES

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water spray jet, Foam, Carbon dioxide (CO<sub>2</sub>), Dry powder

#### Unsuitable extinguishing media

No data available

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

Carbon monoxides

### 5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Further information

Keep containers and surroundings cool with water spray. Do not use a solid water stream as it may scatter and spread fire. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Wear suitable protective equipment.
Environmental precautions	: Do not allow material to contaminate ground water system.
Methods and materials for containment and cleaning up	: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Flush with water.



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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

For precautions see section 2.2.

### 7.2 Conditions for safe storage, including any incompatibilities

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

Storage class (TRGS 510): Non Combustible Solids

### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

### 8.2 Exposure controls

#### Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### Personal protective equipment

##### Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

##### Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

Full contact

Material: Nitrile rubber



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Minimum layer thickness: 0.4 mm

Break through time: 480 min

Material tested: Camatril® (KCL 730 / Aldrich Z677442, Size M)

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.2 mm

Break through time: 49 min

Material tested: Dermatril® P (KCL 743 / Aldrich Z677388, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de,

test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

## Body Protection

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use (US) or type ABEK (EN 14387) respirator cartridges as a backup to engine protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## Control of environmental exposure

Do not let product enter drains.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Clear Liquid
Color	Colorless liquid
Smell	Alcohol



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Threshold of Smell	No information
pH Value	6 -8
Melting point / freezing point	No information
Initial boiling point and boiling range	78,3 C
Flash point	23 C
Evaporation rate	No information
Flammability (solid, gas)	No information
Vapor pressure	59 hPa (20C)
Vapor density	No information
Relative density	0,85 - 1.05 g/cm <sup>3</sup>
Resolution	Dissolve in cold water at every rate
Distribution Coefficient (n-octanol / water)	No information
Flammability temperature	No information
Decomposition temperature	No information
Viscosity	1 - 100 cPs
Explosive properties	No explosive properties
Oxidizing properties	No information
9.2 Other informations	
Mixibility	
Can be mixed with ionic suitable products	

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No decomposition if stored and applied as directed

### 10.2 Chemical stability

Stable

### 10.3 Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4 Conditions to avoid

May form peroxides of unknown stability.



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## 10.5 Materials to avoid

Stro Can react with strong oxidizers, inorganic acids, and halogens.

## 10.6 Hazardous decomposition products

Stable under recommended storage conditions. No decomposition if used as directed

## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

No Data Available

#### Dermal toxicity

No Data Available

#### Oral toxicity

No Data Available

#### Germ cell mutagenicity

No data available

#### Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### Reproductive toxicity

No data available

#### Specific target organ toxicity - single exposure

No data available

#### Specific target organ toxicity - repeated exposure

No data available

#### Aspiration hazard

No data available

**Swallowed:** Ingestion of large quantities may cause irritation to the digestive tract, nausea, vomiting or diarrhea

**Eye Contact:** Causes serious eye damage

**Skin:** Repeated exposure may cause drying, redness, itching and irritation.



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**Inhaled:** Inhalation of vapour or mist may cause irritation of the nose, throat and respiratory system.

## 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity

No Data Available

**Toxicity to aquatic invertebrates** No Data Available

**Toxicity to algae** No Data Available

### 12.2 Persistence and degradability

Readily biodegradable

Product will biodegrade rapidly in the environment especially under waste treatment plant conditions

### 12.3 Bioaccumulative potential

Does not bioaccumulate.

### 12.4 Mobility in soil

No data available

### 12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

### 12.6 Other adverse effects

No data available

## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chem scrubber.

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#### Contaminated packaging

Dispose of as unused product.

## 14. TRANSPORT INFORMATION





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## 14.1. UN number

UN Number (ADR / RID / ADN) : 1993

Un Number (IMDG) : 1993

Un Number (ICAO) : 1993

## 14.2. UN proper shipping name

Proper Shipping Name : UN 1993, FLAMMABLE LIQUID, B.B.B.

## 14.3. Transport hazard class(es)

ADR /RID/ADN Class : 3

ADR /RID /ADN Class : Class 3: Flammable liquids

ADR Tag Number : 3

IMDG Class : 3

ICAO Class : 3

## 14.4. Packing group

ADR/RID/ADN Packing group : II

IMDG Packing group : II

ICAO Packing group : II

## 14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant : No.

## 14.6. Special precautions for user

Limited Amount : 1L

EMS : F-E,S-E

Emergency Action Code : 3YE

Harmfulness Number (ADR) : 33

Tunnel Shortening Code : (D/E)

## 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable

## 15. REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

#### Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

#### Guidance Notes



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Workplace Exposure Limits EH40.  
CHIP for everyone HSG(108).

## EU Legislation

Regulation (EU) No 2015/830.

## 16. OTHER INFORMATION

### Hazard statements

### Classification according to Regulation (EU) No 2015/830

Flam liq. 2, H225

**H225** Highly flammable liquid and vapour

### Key information source used in the safety data sheet

The raw material MSDSs and national/international regulations are taken into consideration while preparing the document.

### Preparing and Revision Information

Name : Muzaffer ALTAY

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### General Using Information

All rights reserved. This MSDS summarises at date of issue our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. İYON CHEM KİMYA TEKNOLOJİ San. Ve Ltd.Şti cannot anticipate or control the conditions under which the product may be used, prior to usage each user must review this MSDS in the context of how the product will be handled and used in the workplace. İYON CHEM KİMYA TEKNOLOJİ San. Ve Ltd.Şti will not be responsible for any damage caused by the use of the product otherwise than in accordance with the directions and information contained in this document. If clarification or further information is required to ensure that an appropriate risk assessment can be made, the user should contact İYON CHEM KİMYA TEKNOLOJİ San. Ve Ltd.Şti Ask for Technical Manager. Safety Data Sheets are updated regularly. Please ensure that you have a current copy. † Trademark used under licence.