



## MATERIAL SAFETY DATA SHEET

Prepared according to "Regulation on Environment and Urbanization Ministry Related to Safety Data Sheets to Hazardous Substances and Mixtures no:29204 dated: 13/12/2014"

Product Name: ORVENS HAND SANITIZER SPRAY

Date of Preparation: 05.05.2020

Revision Number: 00

GBF NO: TÜV/11.15.04

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### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product Name ORVENS HAND SANITIZER SPRAY

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

Intended Use ANTIBACTERIAL SPRAY 150 ML

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

Company Turan Kimya San. Ve Tic. A.S

Full address : Selahattin Eyyubi Mah 3152 Sok No :7/3 Esenyurt /Istanbul

Telephone Number +90(212) 485 89 99

Fax Number +90(212) 485 09 99

Website [www.turankimya.com](http://www.turankimya.com)

E-mail [info@turankimya.com](mailto:info@turankimya.com)

Authorized Devrim Başar Turan

Emergency telephone number +90(212) 485 89 99

#### 1.4. E-mail address of the competent person responsible for the Safety Data Sheet

Handan KURNALI – chemist --GSM:0506 956 4642 [handan.kurnali@turankimya.com](mailto:handan.kurnali@turankimya.com)

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### 2.Hazards identification

Classification of the substance or mixture.

According to "The By-law on Classification, Packaging and Labelling of Dangerous Substances and Preparations " :

Flam. Liq 2, H220 GHS02



**Elements of Labelling** : Classified and Labelling according to "The By-law on Classification, Packaging and Labelling of Dangerous Substances and Preparations"

**Pictogram statement** : GHS02.

**Signal Word** : Danger

**Hazard Determining Componentes** : Ethanol, Ethane, Propane, Isobutane, Butane

**Hazard statement (H)** :

**H220** : Extremely flammable liquid and vapour.

**H319** : Causes serious eye irritation.

**Precautionary statements (P)** :

P102 : Keep out of reach of children.

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

P233: Keep container tightly closed.

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

P370+P378: In case of fire: Use... to extinguish.

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.

P303 +P361 + P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

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P403+235: Store in a well-ventilated place. Keep cool.

P501: Dispose of contents/container to ...

### 3.Composition / information on ingredients

#### 3.1. Mixtures.

CHEMICAL NAMES THAT CONTAIN MATERIAL	EINECS NO	CAS NO	% MATERIAL	CLASSIFICATION
Ethanol	200-578-6	64-17-5	%64-70	Flam. Liq. H225
				Eye Irrit. 2, H319
Glycerol	200-289-5	56-81-5	%0,8-1	-
2-methylbutane	201-142-8	78-78-4	≥0,05 %	H224
				H304
				H336
				H411
Chlorhexidin digluconat	242-354-0	18472-51-0	≥0,1 %	H318
				H400
				H410
3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2H-benzopyran-6-yl acetate	242-354-0	18472-51-0	≥0,1 %	-



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Ethane	200-814-8	74-84-0	%10-20	Flam. Liq. H220
Propane	200-827-9	74-98-6		Gases under pressure , H280
Isobutane	200-857-2	75-28-5		
Butane	203-448-7	106-97-8		

*Note: All of the raw materials H phrase is listed in section 16.*

### 4. First Aid Measures

**Inhalation:** Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

**Skin Contact:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance. For gross contamination, immediately drench with water and remove clothing. Continue to flush skin and hair with plenty of water (and soap if material is insoluble). For skin burns, cover with a clean, dry dressing until medical help is available. If blistering occurs, do NOT break blisters. If swelling, redness, blistering, or irritation occurs seek medical assistance.

**Eye contact:** If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.

**Ingestion:** Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink.

Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.

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**PPE for First Aiders:** Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted.

**Notes to physician:** Treat symptomatically

### 5. Fire – Fighting Measures

#### 5.1. Extinguishing media.

##### SUITABLE EXTINGUISHING MEDIA

If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, dry agent (carbon dioxide, dry chemical powder).

##### EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS

None in particular.

#### GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

### 6. Accidental release measures.

**6.1. Personal precautions, protective equipment and emergency procedures:** Use breathing equipment if fumes or powders are released into the air. These indications apply for both processing staff and those involved in emergency procedures.

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**6.2. Environmental precautions:** The product must not penetrate the sewers, surface water, ground water and neighbouring areas.

**6.3. Methods and material for containment and cleaning up:** Confine using earth or inert material. Collect as much material as possible and eliminate the rest using jets of water. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

### 7. Handling and storage.

#### 7.1.1. Precautions for safe handling:

Make sure that equipment is available for cooling the vessels, to prevent the danger of overpressure and overheating in the event of fire in the vicinity. Refer to the other sections of this data sheet for information relating to health and environmental risks. Do not smoke.

**7.1.2. Storage temperature :** Store in a cool, dry, well-ventilated place and out of direct sunlight.

### 8. Exposure controls/personal protection

Name	STD	TWA- Hrs		STEL-15 Min		Notes
BUTANE		600 ppm	1450 mg/m <sup>3</sup>	750 ppm	1810 mg/m <sup>3</sup>	
ETHANOL		1000 ppm	1900 mg/m <sup>3</sup>			
PROPANE		1000 ppm	1800 mg/m <sup>3</sup>			

### INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

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### Personal Protective Material



**Respiratory Protection** Use filter if product forms vapours.

**Hand Protection** Use protective gloves made of : nitrile or PVC.Avoid skin contact.

**Eye Protection** Wear approved safety goggles.

**Other Protection** Wear protective clothing.

**Hygiene Measures** Promptly remove any contaminated clothing.Wash promptly with soap and water if skin becomes contaminated.When using do not eat, drink or smoke.

### 9. Physical and chemical properties

#### GENERAL INFORMATION:

**Odor:** Depends on the odor of the essence.

**Appearance:** Transparent liquid.

**Density(gr/ml):** 0,80-0,95

**Flash Point (oC):** ~43 °C

**Ph:**5-8

**Solubility in water %(v/v):** %99,9-100



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### 10. Stability and reactivity

**Chemical stability:** This material is thermally stable when stored and used as directed.

**Conditions to avoid:** Elevated temperatures and sources of ignition.

**Incompatible materials:** Oxidising agents.

**Hazardous decomposition products:** Oxides of carbon and nitrogen, smoke and other toxic fumes.

**Hazardous reactions:** No known hazardous reactions.

### 11. Toxicological information.

#### Acute toxicity

**Inhalation:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): LC50 > 5 mg/L

**Skin contact:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

**Ingestion:** This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >2,000 mg/Kg bw

#### Corrosion/Irritancy:

**Eye:** this material has been classified as a Category 2A Hazard (reversible effects to eyes).

**Skin:** this material has been classified as not corrosive or irritating to skin.

**Sensitisation:** Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as not a skin sensitiser.

**Aspiration hazard:** This material has been classified as non-hazardous.

**Specific target organ toxicity (single exposure):** This material has been classified as non-hazardous.

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### Chronic Toxicity

Mutagenicity: This material has been classified as non-hazardous.

Carcinogenicity: This material has been classified as non-hazardous.

Reproductive toxicity (including via lactation): This material has been classified as non-hazardous.

Specific target organ toxicity (repeat exposure): This material has been classified as non-hazardous.

### 12. Ecological information.

Acute aquatic hazard: This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L

Long-term aquatic hazard: This material has been classified as non-hazardous. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or BCF < 500 and/or log Kow < 4.

Ecotoxicity: No information available.

Persistence and degradability: No information available.

Bioaccumulative potential: No information available.

Mobility: No information available

### 13. Disposal considerations.

#### 13.1. Waste treatment methods.

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

#### CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

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### 14. Transport information.

#### 14.1. Overland Transport ADR/RID:

UN No: 1950

Dangerous Goods Class: 2.1

Packing Group: II

#### 14.2. Maritime Transport (IMDG):

UN No: 1950

Dangerous Goods Class: 2.1

Packing Group: II

#### 14.3. Air Transport (\_CAO-T\_ ve \_ATA-DGR):

UN No: 1950

Dangerous Goods Class: 2.1

Packing Group: II

### 15. Regulatory information.

This document is prepared according to "The By-law On Classification, Packaging and Labelling of Substance and Mixtures" published in Official Gazette no. 28848, dated 13/12/2013 and "Regulation on Environment and Urbanization Ministry Related to Safety Data Sheets to Hazardous Substances and Mixtures (13/12/2014,29204).



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### 16. Other information.

#### **Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product .

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

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