

## MATERIAL SAFETY DATA SHEET



## 1. IDENTIFICATION OF PRODUCT AND OF COMPANY

### 1.1 Product Identifier

Product Name: HAND CLEANSING GEL  
 Description of product: Mixture-Hand gel


### 1.2 Relevant Identified Uses of The Product and Uses Advised Against

Relevant Identified Uses: Used as hand cleansing gel

### 1.3 Details of the Manufacturer/Supplier The Safety Data Sheet

Zoleant Pharmaceuticals International  
 Tekfen Tower Buyukdere Cad. No:209 Kat:8 Ofis:31/2  
 34394 Şişli, Istanbul/Turkey, Tel: 0090 212 634 4824

## 2. COMPOSITION AND HAZARDOUS INGREDIENTS

Ingredient	CAS No	Percent (%)	Symbol	Risk & Safety phrase(s)
Isopropyl alcohol (2-propanol)	67-63-0	≥70		<p>H225 Highly flammable liquid and vapour            H319-Causes serious eye irritation            H336- Causes dizziness and drowsiness            EUH 208-Contains citral &amp; limonene that may cause allergic reaction</p> <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.            P233 Keep container tightly closed            P241 Use explosion-proof electrical/ventilating/lighting/.../equipment            P242 Use only non-sparking tools            P243 Take precautionary measures against static discharge            P261 Avoid breathing dust/fumes/gas/mist/vapours/spray            P264 Wash with water and soap thoroughly after handling            P271 Use only outdoors or in a well-ventilated area.            P280 Wear protective gloves/protective clothing/eye protection/face protection.            P370+P378 In case of fire: Use appropriate material except water to extinguish            P403+P235 Store in a well-ventilated place. Keep cool.            P405 Store locked up            P501 Dispose of contents/container to in accordance with local regulation            P305+P351-IF IN EYES: Rinse cautiously with water for several minute</p>

### 3. HAZARD IDENTIFICATION

#### Emergency Overview

This is a personal care or cosmetic product that is safe for consumers and other users under intended and reasonably foreseeable use. Additional information on toxicological endpoints is available from the supplier upon request.

#### Potential Health Effects

##### Eye:

Contact may cause mild, transient irritation. Some redness and/or stinging may occur.

##### Skin:

Not expected to be irritating, sensitizing, photoallergenic or phototoxic when used as intended. If irritation occurs following intended use or prolonged contact it is expected to be mild and transient

##### Inhalation:

May cause mild, transient respiratory irritation. Avoid prolonged contact to concentrated vapors.

##### Ingestion:

Product used as intended is not expected to cause gastrointestinal irritation.

### 4. FIRST AID MEASURES

Symptoms and effect : Irritating to eyes and respiratory system. Causes frost bite.

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.



Eyes: Flush eyes with water for 15 minutes while holding eyelids open. Get medical attention if irritation persists.



Skin: Remove contaminated clothing and do not reuse until cleaned. Flush skin with water, followed by soap and water. Get medical attention if irritation.



Ingestion : Not likely to occur.

## 5. FIRE FIGHTING MEASURES

Combustible but not readily ignited.

Extinguishing Media : Carbon dioxide or dry powder use water fog to cool flash point.

Fire Fighting Protective Equipment : A self-contained breathing apparatus and suitable protective Clothing should be worn in fire conditions.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

#### 6.1.1 For non-emergency personnel

- Avoid contact with skin, eyes, and clothing.
- Keep away from heat and sources of ignition.
- Provide adequate ventilation
- No action shall be taken involving any personal risk or without suitable training
- Keep unnecessary and unprotected personnel from entering
- Do not touch or walk through spilled material.
- In case of fire: Evacuate area
- Refer to protective measures listed in section 8.
- Wear appropriate personal protective equipment as described in section 8.

#### 6.1.2 For emergency responders

- Ventilate area of leak or spill.
- If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

### 6.2 Environmental precautions

- Do not empty into drains and sewers.
- Keep from entering to water and ground water systems.
- Spillages or uncontrolled discharges into watercourses must be alerted to the Environmental Agency or other appropriate regulatory body.

### 6.3 Methods and materials for containment and cleaning up

Non-sparking tools should be used.

Soak up with inert absorbent material.

Suppress (knock down) gases/vapors/mists with a water spray jet.

For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.

Clean up remaining materials from spill with suitable absorbent.

Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.

## 7. HANDLING AND STORAGE

- Handling** : Use only in well-ventilated areas. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
- Fire and explosive prevention** : Keep away from sources of ignition – No smoking. Take precautionary measures against static discharges. Vapours are heavier than air and may spread along floors. Vapours may travel to a source of ignition and flash back.
- Storage requirements** : Store in a dry well ventilated place away from sources of heat and direct sunlight

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

Preventive industrial and medical examinations must be carried out according to the application area.

Minimize workplace exposure concentrations.

Use only in an area equipped with explosion proof exhaust ventilation.

Use with local exhaust ventilation.

### 8.2 Personal protective equipment

#### 8.2.1 Respiratory protection



General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

#### 8.2.2 Face/Eye protection

-Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.



-If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield (EN 166).

#### 8.2.3 Skin protection

Hand protection: No need for protection



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## Body protection

Choose body protection according to amount and concentration of the dangerous substance at the work place. (EN 340).



## Other protection

-Handle in accordance with good industrial hygiene and safety practice

## 8.2.4 Environmental exposure controls

Legislation for the protection of the environment must be met in full.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

## 9.1 Information on basic physical and chemical properties

Form/Physical state	Liquid
Color	Characteristic
Isopropyl alcohol degree	≥70 %
Odor	Characteristic
pH	6-8 (1% solution)
Melting point (°C)	No data available
Flash point (°C)	25°C
Density (g/L)	0.8-1.0 g/mL
Flammable properties	Highly flammable
Water solubility	Miscible

## 9.2 Other information

Other physical and chemical parameters

## 10. STABILITY AND REACTIVITY

Stability : Stable under recommended storage and handling conditions (see section 7)

Conditions to avoid : Keep away from sources of ignition – No smoking

Hazardous Decomposition Product (s) : No hazardous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

## 11.1 Information on toxicological effects

Based on our experience and the information available, adverse health effects are expected if not handled as recommended with suitable precautions for designated uses.

## 11.2 Acute toxicity

**Isopropyl alcohol:**

Acute oral toxicity:	LD50 (Rat): > 5045 mg/kg
Acute inhalation toxicity:	LD50 (Rat): No data
	Exposure time: 4 h
	Test atmosphere: vapor
Acute dermal toxicity:	LD50 (Rat)Dermal: 12800 mg/kg

## 11.3 Skin corrosion / irritation and Eye damage / irritation:

Splashes in the eyes may cause irritation and reversible damage.

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## 11.4 CMR effects (Carcinogenicity)

None

## 11.5 CMR effects (Mutagenicity and toxicity for reproduction)

None

## 11.6 Other Toxicological effects

No data available

## 11.7 STOT- single/ repeated exposures:

Not classified

## 11.8 Additional Toxicological Information:

Toxicological classifications are based on available knowledge and information. The special effects to health are considered by taking into account the information in section 3.

**12. ECOLOGICAL INFORMATION**

Environmental Fate and Distribution: The product is soluble in water

Effect on Effluent Treatment: The product is anticipated to be substantially removed in biological treatment processes

**13. DISPOSAL CONSIDERATIONS**

## 13.1 Disposal methods:

## 13.1.1 Product / Packaging disposal

- The generation of waste should be avoided or minimized wherever possible.
- Can be landfilled or incinerated
- Disposal according to local regulation
- According to European waste catalogue, waste codes are not product specific, but applications specific. Waste codes should be assigned by the user.
- Contaminated packaging can be re-used after emptying and cleaning.

## 13.1.2 Waste Treatment – Relevant information

None

## 13.1.3 Sewage Disposal- Relevant information

None





## 13.1.4 Other Disposal Recommendations

- Dispose of chemicals waste or in accordance with local regulations.
- The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.
- Follow all applicable local laws, rules and regulation regarding the proper disposal of this material.
- Dispose of waste according to applicable local, state and federal regulations.

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## 14. TRANSPORT INFORMATION

	ADR <sup>6</sup> /RID <sup>7</sup>	ADNR <sup>8</sup>	IMDG <sup>9</sup>	ICAO <sup>10</sup> /IATA <sup>11</sup>
TRANSPORTATION	Road	River	Marine	Airways
14.1 UN No.	1993	1993	1993	1993
Symbols				
HIN No	30	-	-	-
Tunnel Restriction Code	3 (D/E)	-	-	-
Classification Code	F1	-	-	-
EMS	-	-	F-E, S-D	-
14.3 Transport Hazard Class	3	3	3	3
14.4 Packaging Group	III	III	III	III
14.5 Environmental Hazards	-	-	Marine Pollutant	-
14.6 Special Precautions for Users	-			
14.7 Transport in Bulk according to annex II of MARPOL and IBC code	-			

## 15. REGULATORY INFORMATION

Not Classified as Dangerous for the Environment

Labelling in accordance with Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. This safety datasheet complies with the requirements of Regulation (EC) No. 1907 /2006 (REACH) and ISO 11014:2009.

This data sheet was prepared in accordance with Regulation (EU) No:1272/2008.

This product is classified according to EU Directives GHS/CLP.

European Agreement concerning the International Carriage of Dangerous Goods by Road.

Hazard- CLP classification according to Annex VI of CLP (regulation (EC) No.1272/2008)

## 16. OTHER INFORMATION

For additional information regarding products please contact :

ZOLEANT PHARMACEUTICALS INTERNATIONAL

Relevant H- and EUH-Phrases:



Warning

H225 – Highly flammable liquid and vapour.

H335 – May cause respiratory irritation.

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

P305 + P351 – IF IN EYES: Rinse cautiously with water for several minutes.

### 16.3 Legal disclaimer

The purpose of the above information is to describe the products only in terms of health and safety requirements. The information given should not, therefore, be construed as guaranteeing specific properties or as specification. Customers should satisfy themselves as to the suitability and completeness of such information for their own particular use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The above information related only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed unless specified in the text. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Due to many factors outside our control when using this product, we can not accept liability for any injury, accident, loss or damage caused through its use.

<sup>1</sup>CLP: Classification Labelling and Packaging

<sup>2</sup>GHS: Global Harmonized System

<sup>3</sup>CAS: Chemical Abstract Service

<sup>4</sup>EC: European Community number

<sup>5</sup>EN: Standards: Personal Protective Equipment Standards Determined by CEN (European Committee for Standardization)

<sup>6</sup>ADR: Accord Dangerous Routier (European regulations concerning the international transport of dangerous goods by road)

<sup>7</sup>RID: Regulations Concerning the International Transport of Dangerous Goods by Rail (European law)

<sup>8</sup>ADNR: Regulation for the Carriage of Dangerous Substances on the Rhine (EU)

<sup>9</sup>IMDG: International Maritime Dangerous Goods (United Nations)

<sup>10</sup>ICAO: International Civil Aviation Organization

<sup>11</sup>IATA: International Air Transport Association

<sup>12</sup>REACH: Registration, Evaluation, Authorization and Restriction of Chemicals