

# SAFETY DATA SHEET

## KLEENEX® Moisturizing Instant Hand Sanitizer

Version 1.1      Revision Date: 03-22-2016      MSDS Number: 100000003199      Date of last issue: 08-10-2015  
Date of first issue: 08-10-2015

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### SECTION 1. IDENTIFICATION

Product name : KLEENEX® Moisturizing Instant Hand Sanitizer  
Product code : 31294, 32181, 33987, 33958, 34023, 35722, 35804, 36873, 37342, 39868, 91562, 91600, 93056, 45826

#### Manufacturer or supplier's details

Company name of supplier : Kimberly-Clark Corporation  
Address : 1400 Holcomb Bridge Road,  
Roswell, GA 30076-2199  
Telephone : 1-888-346-6452  
Emergency telephone : 1-877-561-6587


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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Category 2  
Serious eye damage/eye irritation : Category 2B

#### GHS Label element

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : H225 Highly flammable liquid and vapor.  
H320 Causes eye irritation.

Precautionary Statements : **Prevention:**  
P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
**Response:**  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
**Storage:**

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

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity:  
65.1647 %

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### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Hazardous ingredients**

Chemical Name	CAS-No.	Concentration (%)
Ethanol	64-17-5	>= 50 - < 70
Glycerol	56-81-5	>= 1 - < 5

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### SECTION 4. FIRST AID MEASURES

General advice : No hazards which require special first aid measures.

If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.

In case of skin contact : Wash off with soap and water.  
If symptoms persist, call a physician.

In case of eye contact : Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.

If swallowed : If swallowed, DO NOT induce vomiting.  
Drink 1 or 2 glasses of water.  
If symptoms persist, call a physician or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed : No information available.

Notes to physician : No information available.

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### SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : Water spray jet

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Hazardous combustion products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

Specific extinguishing methods : Standard procedure for chemical fires.

Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.

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### SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Not required under normal use.  
No conditions to be specially mentioned.

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### SECTION 7. HANDLING AND STORAGE

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### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

Ingredients	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Ethanol	64-17-5	TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA Z-1
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	OSHA P0
		TWA	1,000 ppm 1,900 mg/m <sup>3</sup>	NIOSH REL
		STEL	1,000 ppm	ACGIH
Glycerol	56-81-5	TWA (total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (mist, respirable fraction)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA (mist, total dust)	15 mg/m <sup>3</sup>	OSHA Z-1
		TWA (Mist - total dust)	10 mg/m <sup>3</sup>	OSHA P0
		TWA (Mist - respirable fraction)	5 mg/m <sup>3</sup>	OSHA P0

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### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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Appearance	: gel
Color	: white
Odor	: pleasant
pH	: 7
Melting point/range	: -114 °C
Boiling point/boiling range	: 78 °C
Flash point	: 20 °C
Upper explosion limit	: 19 %(V)
Lower explosion limit	: 3.3 %(V)
Vapor pressure	: 60 hPa
Solubility(ies) Solubility in other solvents	: completely soluble

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### SECTION 10. STABILITY AND REACTIVITY

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

##### Product:

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

Acute dermal toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

##### Ingredients:

##### **Ethanol:**

Acute oral toxicity : LD50 (Rat, male and female): 10,470 mg/kg  
Method: OECD Test Guideline 401  
GLP: no

Acute inhalation toxicity : LC50 (Rat, male and female): 124.7 mg/l  
Method: OECD Test Guideline 403  
GLP: no

##### **Glycerol:**

Acute oral toxicity : LD50 Oral (Mouse, male): 23,000 mg/kg  
Method: Acute toxicity estimate  
GLP: no

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Acute inhalation toxicity : LC50 (Rat, male): > 2.75 mg/l  
Method: Acute toxicity estimate  
GLP: no

Acute dermal toxicity : LD50 Dermal (Guinea pig, male and female): 56,750 mg/kg  
Method: Acute toxicity estimate  
GLP: no

### Skin corrosion/irritation

#### Ingredients:

##### **Ethanol:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation  
GLP: yes

##### **Glycerol:**

Species: Rabbit  
Method: No information available.  
Result: No skin irritation  
GLP: no

### Serious eye damage/eye irritation

#### Ingredients:

##### **Ethanol:**

Species: Rabbit  
Result: Eye irritation  
Method: OECD Test Guideline 405  
GLP: no

##### **Glycerol:**

Species: Rabbit  
Result: No eye irritation  
Method: No information available.  
GLP: no

### Respiratory or skin sensitization

#### Ingredients:

##### **Ethanol:**

Species: Mouse  
Method: OECD Test Guideline 429  
Result: Did not cause sensitization on laboratory animals.  
GLP: no

### Germ cell mutagenicity

#### Ingredients:

##### **Glycerol:**

Genotoxicity in vitro : Result: negative

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### Carcinogenicity

#### Ingredients:

##### **Glycerol:**

Species: Rat, (male and female)

Application Route: Oral

Exposure time: 24 month(s)

Frequency of Treatment: 1 daily

##### **IARC**

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

##### **OSHA**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

##### **NTP**

No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Reproductive toxicity

#### Ingredients:

##### **Glycerol:**

Effects on fetal development : Test Type: Two-generation study  
Species: Rat, male and female  
Application Route: Oral  
Dose: 2000 milligram per kilogram  
Frequency of Treatment: 1 daily

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## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Ingredients:

##### **Ethanol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 14,200 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: No information available.  
GLP: No information available.

Toxicity to daphnia and other aquatic invertebrates : EC50 (Ceriodaphnia dubia (water flea)): 5,012 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: No information available.  
GLP: No information available.

Toxicity to algae : EC50 (Pseudokirchneriella subcapitata (green algae)): 275

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mg/l  
Exposure time: 72 h  
Test Type: static test  
Method: No information available.  
GLP: No information available.

### **Glycerol:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 54,000 mg/l  
Exposure time: 96 h  
Test Type: static test  
Method: No information available.  
GLP: no

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 1,955 mg/l  
Exposure time: 48 h  
Test Type: static test  
Method: No information available.  
GLP: no

### **Persistence and degradability**

#### **Ingredients:**

#### **Glycerol:**

Biodegradability : Result: Readily biodegradable.

#### **Bioaccumulative potential**

No data available

#### **Mobility in soil**

No data available

#### **Other adverse effects**

No data available

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## SECTION 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

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## SECTION 14. TRANSPORT INFORMATION

### **International Regulation**

#### **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

### **Domestic regulation**

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## SECTION 15. REGULATORY INFORMATION

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## KLEENEX® Moisturizing Instant Hand Sanitizer

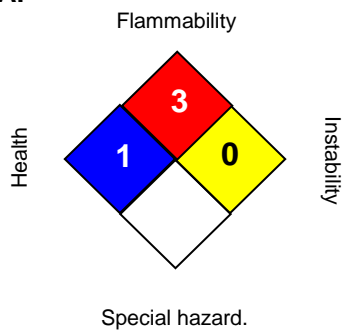
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**California Prop 65** : This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

### SECTION 16. OTHER INFORMATION

#### Further information

##### NFPA:



##### HMIS III:

<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>3</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Revision Date : 03-22-2016

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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