

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING****Product Name:** Kleenex® Moisturising Alcohol Instant Hand Sanitizer**Product Number:** 6356, 6357, 6358, 6359

Date Prepared:	9/15/2012
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**Product Use:** Skin/personal cleansing**2. HAZARDS IDENTIFICATION****Emergency Overview:** Highly flammable. Keep away from heat and sources of ignition.**EU Classification (1999/45/EC):** F - Highly flammable ; R11**3. COMPOSITION/INFORMATION ON INGREDIENTS**

<i>Chemical Name</i>	<i>CAS-No./ EINECS-No</i>	<i>%</i>	<i>EU Classification (67/548/EEC):</i>
Ethanol (ethyl alcohol)	64-17-5 / 200-578-6	65-75% v/v	F, R11
Isopropanol (Isopropyl alcohol, propan-2-ol)	67-63-0 / 200-661-7	5-6% v/v	F, Xi R11, R36, R67
Glycerin (Glycerol)	56-81-5 / 200-289-5	<3% v/v	Not applicable

See Section 16 for further information on EU Classification.

**4. FIRST AID MEASURES****Inhalation:** None required for normal use.**Skin contact:** None required for normal use.

**Eye contact:** Immediately flush eye(s) with plenty of water. Obtain medical attention if irritation persists.

**Ingestion:** If large amounts are swallowed, seek medical advice.

## 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media:** Water, water fog, foam, carbon dioxide, dry chemical.

**Special Fire Fighting Procedures:** None normally required.

**Unusual Fire and Explosion Hazards:** Flammable liquid. Vapors are heavier than air and may flow along surfaces to remote ignition sources and flash back.

**Hazardous Combustion Products:** Carbon monoxide, carbon dioxide.

## 6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate the area. Contain and collect with inert absorbent material and place in a suitable container for disposal. Comply with all local and national regulations.

## 7. HANDLING AND STORAGE

Keep away from heat and sources of ignition. When using do not smoke. Avoid contact with eyes. Avoid breathing vapors or mists.

Store in a cool, dry, well ventilated area.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	Exposure limit(s)
Ethanol (ethyl alcohol)	Austria: 1000 ppm TWA, 2000 ppm peak Belgium: 1000 ppm TWA Denmark: 1000 ppm TWA, 1596 ppm STEL Finland: 1000 ppm 8 h, 1300 ppm 15 min. France: 1000 ppm VME, 5000 ppm VLE Germany: 500 ppm 8 hr, 1000 ppm 15 min. Italy: None Established Netherlands: 260 mg/m <sup>3</sup> TWA; 1900 mg/m <sup>3</sup> STEL Spain: 1000 ppm 8 hr, 4000 ppm 15 min. Sweden: 500 ppm TWA, 1000 ppm 15 min. United Kingdom: 1000 ppm 8 hr TWA
Isopropanol (Isopropyl alcohol, propan-2-ol)	Austria: 200 ppm TWA, 800 ppm short term Belgium: 400 ppm TWA, 500 ppm short term Denmark: 200 ppm TWA, 400 ppm STEL Finland: None Established France: 400 ppm VLE

	Germany: 200 ppm 8 hr, 500 ppm 15 min. Italy: None Established Netherlands: None Established Spain: 400 ppm 8 hr, 500 ppm 15 min. Sweden: 150 ppm TWA, 250 ppm 15 min. United Kingdom: 400 ppm 8 hr TWA, 500 ppm short term
Glycerin (Glycerol)	Austria: None Established Belgium: 10 mg/m <sup>3</sup> TWA Denmark: None Established Finland: 20 mg/m <sup>3</sup> TWA France: 10 mg/m <sup>3</sup> VLE Germany: 50 mg/m <sup>3</sup> 8 hr, 100 ppm 15 min. Italy: None Established Netherlands: None Established Spain: 10 mg/m <sup>3</sup> 8 hr. Sweden: None Established United Kingdom: 10 mg/m <sup>3</sup> TWA

**Ventilation:** No special ventilation normally required.

**Respiratory Protection:** None required for normal use.

**Hand Protection:** None required for normal use.

**Skin Protection:** None required for normal use.

**Eye Protection:** None normally required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor	Milky liquid. Alcohol odor.
Boiling point/range	Not available
Melting point/range	Not available
Specific Gravity (water=1)	0.875
Vapor pressure	45 mmHg@20°C(Ethanol (ethyl alcohol))
Vapor density (air=1)	1.6
Solubility	Complete
pH	5.0
Partition coefficient (n-octanol/water):	Not available
Evaporation Rate (Butyl acetate=1)	Not available
Percent Volatile by Volume (%)	>90%
Volatile Organic Carbon Compounds (VOC) (g/L)	70%

Flashpoint:	14°C (57.2°F)(Ethanol (ethyl alcohol))
Flammable Limits in Air % by Volume:	LEL (Lower): 2.0% UEL (Upper): 19%

## 10. STABILITY AND REACTIVITY

**Stability:** Stable at ambient temperature and pressure.

**Conditions to Avoid:** Avoid sparks, flame and excessive heat.

**Materials to avoid:** Strong oxidizing agents.

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide.

**Hazardous Polymerization:** Does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Symptoms/Effects of Overexposure:

**Inhalation:** Excessive inhalation may cause respiratory irritation, coughing, shortness of breath, nausea, dizziness, loss of coordination, drowsiness, loss of consciousness and other symptoms of central nervous system depression.

**Skin contact:** Prolonged skin contact may cause mild irritation in sensitive individuals. Not expected to be absorbed through the skin.

**Eye contact:** Contact with eyes may cause irritation. [Epiocular (cells) severe irritant (100 µl/16 mins)]

**Ingestion:** May cause mucous membrane and gastrointestinal irritation and other adverse effects. May cause nausea, vomiting, diarrhea, dizziness, drowsiness and other symptoms of central nervous system depression.

**Chronic toxicity:** Prolonged skin contact may cause mild irritation in sensitive individuals.

**Medical Conditions Aggravated by Exposure:** May possibly aggravate dermatitis, psoriasis and other skin conditions.

**Carcinogenicity Data:** None of the components of this product is listed as a carcinogen by IARC, NTP, US OSHA or the EU CLP Annex VI.

**Reproductive Toxicity:** Ethanol has been found to cause adverse reproductive effects in laboratory animals. Ethanol is known to cause fetal alcohol syndrome when orally ingested by pregnant humans.

**Acute Toxicity Values:** Ethanol: LD50 oral rat: 7060 mg/kg; Inhalation LC50 (rat, 10 hr): 20,000 ppm; Eye irritation, Draize Test (rabbit): Severe (500 mg/24 hr)

Isopropanol (Isopropyl alcohol): LD50 Oral rat 5045 mg/kg; LD50 Skin rabbit 12,800 mg/kg; LC50 Inhalation rat 16,000 ppm/8 hour

Glycerin: Oral rat LD50 12.6 g/kg.

**12. ECOLOGICAL INFORMATION**

No data is currently available.

**13. DISPOSAL CONSIDERATIONS**

Comply with all local and national regulations.

**Container Disposal:** Empty containers should be rinsed with water and recycled or discarded with household garbage.

**14. TRANSPORT INFORMATION**

**IATA Shipping Description (Air):** UN1987, Alcohols, n.o.s. (Ethanol, Isopropanol), 3, II

**IMDG Shipping Description (Vessel):** UN1987, Alcohols, n.o.s. (Ethanol, Isopropanol), 3, II

**ADR Shipping Description:** UN1987, Alcohols, n.o.s. (Ethanol, Isopropanol), 3, II

This product does not contain marine pollutants.

**15. REGULATORY INFORMATION****EU Labeling:**

R11 - Highly flammable.

S 7 - Keep container tightly closed.

S16 - Keep away from sources of ignition - No smoking.

S51 - Use only in well ventilated areas.

**16. OTHER INFORMATION****EU Classes and Risk Phrases for Reference (See Sections 2 and 3):**

F - Highly flammable

Xi - Irritant

R11 - Highly flammable.

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R36 - Irritating to eyes.

R67 - Vapours may cause drowsiness and dizziness.

**Revision Summary:** Revision to section(s) 9.

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