



## Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 02/28/2017

Reviewed on 02/28/2017

### 1 Identification

- **Product Identifier**
- **Trade name: Pharma-C-Wipe, 70% Isopropyl Alcohol Wipes**
- **Relevant identified uses of the substance or mixture and uses advised against:** Cleansing Wipes
- **Product Description** Isopropyl Alcohol topical wipes.
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**  
Kleen Test Products Corporation  
P. O. Box 368  
Port Washington, WI 53074-0368  
262-284-6600 - Telephone  
262-268-4789 - Fax  
E-mail: info@kleentest.com
- **Emergency Number:** Chemtrec 1-800-424-9300

### 2 Hazard(s) Identification

- **Classification of the substance or mixture:**



GHS02 Flame

Flam. Liq. 3 H226 Flammable liquid and vapor.



GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.  
STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements:**
- **GHS label elements**  
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



GHS02 GHS07

- **Signal word:** Warning
- **Hazard-determining components of labeling:**  
Isopropyl alcohol
- **Hazard statements:**  
H226 Flammable liquid and vapor.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.
- **Precautionary statements:**  
P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
P241 Use explosion-proof electrical/ventilating/lighting/equipment.  
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

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P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P240	Ground/bond container and receiving equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P264	Wash thoroughly after handling.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P337+P313	If eye irritation persists: Get medical advice/attention.
P370+P378	In case of fire: Use for extinction: CO <sub>2</sub> , powder or water spray.
P405	Store locked up.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Unknown acute toxicity:**

This value refers to knowledge of known, established toxicological or ecotoxicological values.  
0 % of the mixture consists of component(s) of unknown toxicity.

· **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme· **NFPA ratings (scale 0 - 4)**· **HMIS-ratings (scale 0 - 4)**

HEALTH	1	Health = 1
FIRE	3	Fire = 3
REACTIVITY	0	Reactivity = 0

· **Hazard(s) not otherwise classified (HNOC):** None known\* **3 Composition/Information on Ingredients**· **Non-hazardous components:**

7732-18-5	Water, distilled water, deionized water	30%
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· **Chemical characterization: Mixtures**· **Description:** Mixture of substances listed below with non-hazardous additions.· **Dangerous Components:**

CAS: 67-63-0	Isopropyl alcohol	70%
RTECS: NT 8050000	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	

\* **4 First-Aid Measures**· **Description of first aid measures:**· **General information:**

Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.

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**Trade name: Pharma-C-Wipe, 70% Isopropyl Alcohol Wipes****· After inhalation:**

Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

**· After skin contact:**

Generally the product does not irritate the skin.

If skin irritation occurs, consult a doctor.

**· After eye contact:**

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.

If easy to do so, remove contact lenses if worn.

If eye irritation occurs, consult a doctor.

**· After swallowing:** If swallowed and symptoms occur, consult a doctor.**· Information for doctor:****· Most important symptoms and effects, both acute and delayed:** No further relevant information available.**· Indication of any immediate medical attention and special treatment needed:**

No further relevant information available.

**\* 5 Fire-Fighting Measures****· Extinguishing media:****· Suitable extinguishing agents:**CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.**· Special hazards arising from the substance or mixture:** Carbon Oxides.**· Advice for firefighters:****· Protective equipment:**

Mouth respiratory protective device.

As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

**\* 6 Accidental Release Measures****· Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

**· Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/surface or ground water.

**· Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to section 13.

Ensure adequate ventilation.

Dispose of the collected material according to regulations.

**· Reference to other sections:**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**· Protective Action Criteria for Chemicals****· PAC-1:**

67-63-0 Isopropyl alcohol

400 ppm

**· PAC-2:**

67-63-0 Isopropyl alcohol

2000\* ppm

**· PAC-3:**

67-63-0 Isopropyl alcohol

12000\*\* ppm

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### \* 7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about protection against explosions and fires:**  
Keep ignition sources away - Do not smoke.  
Protect from heat.  
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities:**  
Store away from strong acids, strong bases, strong oxidizing agents and strong reducing agents.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**  
Store in a well ventilated place.  
Store only in the original receptacle.  
Store away from direct sunlight.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Keep receptacle tightly sealed.  
Protect from heat and direct sunlight.
- **Specific end use(s):** No further relevant information available.

### \* 8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**  
All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

#### · **Components with occupational exposure limits:**

##### **67-63-0 Isopropyl alcohol**

PEL	Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
REL	Short-term value: 1225 mg/m <sup>3</sup> , 500 ppm Long-term value: 980 mg/m <sup>3</sup> , 400 ppm
TLV	Short-term value: 984 mg/m <sup>3</sup> , 400 ppm Long-term value: 492 mg/m <sup>3</sup> , 200 ppm BEI

#### · **Ingredients with biological limit values:**

##### **67-63-0 Isopropyl alcohol**

BEI	40 mg/L urine end of shift at end of workweek Acetone (background, nonspecific)
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- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.
- **Exposure controls:**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures for handling chemicals should be followed.

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- Keep away from foodstuffs, beverages and feed.  
 Immediately remove all soiled and contaminated clothing and wash before reuse.  
 Wash hands before breaks and at the end of work.  
 Avoid contact with the eyes.
- **Breathing equipment:** Not required.
  - **Protection of hands:** Not required.
  - **Material of gloves:** Not applicable
  - **Penetration time of glove material:** Not applicable.
  - **Eye protection:**



Tightly sealed goggles

- **Body protection:** Not required.

* <b>9 Physical and Chemical Properties</b>
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- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

**Form:** Disposable wipe

**Color:** White

- **Odor:** Alcohol-like

- **Odor threshold:** Not determined.

- **pH-value:** Not determined.

- **Change in condition**

**Melting point/Melting range:** Not determined.

**Boiling point/Boiling range:** 83 °C (181 °F)

- **Flash point:** 24 °C (75 °F)

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** 456 °C (853 °F)

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not self-igniting.

- **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

- **Explosion limits:**

**Lower:** 2.0 Vol %

**Upper:** 12.0 Vol %

- **Vapor pressure @ 20 °C (68 °F):** 23 hPa (17 mm Hg)

- **Density @ 20 °C (68 °F):** 0.849 g/cm<sup>3</sup> (7.085 lbs/gal)

- **Relative density:** Not determined.

- **Vapor density @ 20 °C (68 °F):** 2.1 g/cm<sup>3</sup> (17.525 lbs/gal) (air=1)

- **Evaporation rate @ 20 °C (68 °F):** 1.7 (Buryl Acetate=1)

- **Solubility in / Miscibility with:**

**Water:** Fully miscible.

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**Trade name: Pharma-C-Wipe, 70% Isopropyl Alcohol Wipes**

- **Partition coefficient (n-octanol/water):** Not determined.
- **Viscosity:**
  - Dynamic:** Not determined.
  - Kinematic:** Not determined.
- **Solvent content:**
  - Organic solvents:** 70.0 %
  - Water:** 30.0 %
  - VOC content:** 70.0 %
- **Other information:** No further relevant information available.

**\*10 Stability and Reactivity**

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** Heat, flame and ignition sources.
- **Incompatible materials:** Strong acids, strong bases, strong oxidizing agents and strong reducing agents.
- **Hazardous decomposition products:** Carbon Oxides.

**\*11 Toxicological Information**

- **Information on toxicological effects:**
- **Acute toxicity:**

- **LD/LC50 values that are relevant for classification:**

**67-63-0 Isopropyl alcohol**

Oral	LD50	5045 mg/kg (Rat)
Dermal	LD50	12800 mg/kg (Rabbit)
Inhalative	LC50/4 h	30 mg/l (Rat)
	LC50/96 hours	9640 mg/l (Pimephales)

- **Primary irritant effect:**
- **On the skin:** No irritating effect.
- **On the eye:** Causes serious eye irritation.
- **Additional toxicological information:**  
The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant
- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):**
  - Group 1 - Carcinogenic to humans
  - Group 2A - Probably carcinogenic to humans
  - Group 2B - Possibly carcinogenic to humans
  - Group 3 - Not classifiable as to its carcinogenicity to humans
  - Group 4 - Probably not carcinogenic to humans

67-63-0 Isopropyl alcohol

3

- **NTP (National Toxicology Program):**

None of the ingredients are listed.

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**Trade name: Pharma-C-Wipe, 70% Isopropyl Alcohol Wipes****· OSHA-Ca (Occupational Safety & Health Administration):**

None of the ingredients are listed.

**\*12 Ecological Information****· Toxicity:****· Aquatic toxicity:****67-63-0 Isopropyl alcohol**

EC50 6851 mg/l (Green algae)

5102 mg/l (Water flea)

**· Persistence and degradability:** No further relevant information available.**· Behavior in environmental systems:****· Bioaccumulative potential:** No further relevant information available.**· Mobility in soil:** No further relevant information available.**· Additional ecological information:****· General notes:**

Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.

**· Results of PBT and vPvB assessment:****· PBT:** Not applicable.**· vPvB:** Not applicable.**· Other adverse effects:** No further relevant information available.**\*13 Disposal Considerations****· Waste treatment methods:****· Recommendation:**

Observe all federal, state and local environmental regulations when disposing of this material.

**· Uncleaned packagings****· Recommendation:** Dispose of as unused product.**· Recommended cleansing agent:** Water, if necessary with cleansing agents.**\*14 Transport Information****· UN-Number:****· DOT, ADR/ADN, IMDG, IATA**

UN1987

**· UN proper shipping name:****· DOT**

Alcohols, n.o.s. (Isopropanol)

**· ADR/ADN**

UN1987 Alcohols, n.o.s. (Isopropanol)

**· IMDG, IATA**

ALCOHOLS, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL))

**· Transport hazard class(es):****· DOT****· Class:**

3 Flammable liquids

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**Trade name: Pharma-C-Wipe, 70% Isopropyl Alcohol Wipes**· **Label:** 3· **ADR/ADN**

· **Class:** 3 (F1) Flammable liquids  
 · **Label:** 3

· **IMDG, IATA**

· **Class:** 3 Flammable liquids  
 · **Label:** 3  
 · **Packing group:**  
 · **DOT, ADR/ADN, IMDG, IATA** III  
 · **Environmental hazards:** Not applicable.  
 · **Special precautions for user:** Warning: Flammable liquids  
 · **Danger code (Kemler):** 30  
 · **EMS Number:** F-E,S-D  
 · **Stowage Category** A  
 · **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.  
 · **Transport/Additional information:**  
 · **DOT**  
 · **Quantity limitations:** On passenger aircraft/rail: 60 L  
 On cargo aircraft only: 220 L  
 · **Remarks:** Limited Quantities - Ground, Consumer Commodity

· **ADR/ADN**

· **Excepted quantities (EQ):** Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml

· **IMDG**

· **Limited quantities (LQ):** 5L  
 · **Excepted quantities (EQ):** Code: E1  
 Maximum net quantity per inner packaging: 30 ml  
 Maximum net quantity per outer packaging: 1000 ml  
 · **UN "Model Regulation":** UN 1987 ALCOHOLS, N.O.S. (ISOPROPANOL), 3, III

**\*15 Regulatory Information**

· **Safety, health and environmental regulations/legislation specific for the substance or mixture:**  
 · **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

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**Trade name: Pharma-C-Wipe, 70% Isopropyl Alcohol Wipes**

· <b>Section 313 (Specific toxic chemical listings):</b>	
67-63-0	Isopropyl alcohol
· <b>TSCA (Toxic Substances Control Act):</b>	
All ingredients are listed or exempt from listing.	
· <b>California Proposition 65:</b>	
· <b>Chemicals known to cause cancer:</b>	
None of the ingredients are listed.	
· <b>Chemicals known to cause reproductive toxicity for females:</b>	
None of the ingredients are listed.	
· <b>Chemicals known to cause reproductive toxicity for males:</b>	
None of the ingredients are listed.	
· <b>Chemicals known to cause developmental toxicity:</b>	
None of the ingredients are listed.	
· <b>New Jersey Right-to-Know List:</b>	
67-63-0	Isopropyl alcohol
· <b>New Jersey Special Hazardous Substance List:</b>	
67-63-0	Isopropyl alcohol
	F3
· <b>Pennsylvania Right-to-Know List:</b>	
67-63-0	Isopropyl alcohol
· <b>Pennsylvania Special Hazardous Substance List:</b>	
67-63-0	Isopropyl alcohol
	E
· <b>Carcinogenic categories:</b>	
· <b>EPA (Environmental Protection Agency):</b>	
None of the ingredients are listed.	
· <b>TLV (Threshold Limit Value established by ACGIH):</b>	
67-63-0	Isopropyl alcohol
	A4
· <b>NIOSH-Ca (National Institute for Occupational Safety and Health):</b>	
None of the ingredients are listed.	

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**

GHS02 GHS07

· **Signal word:** Warning· **Hazard-determining components of labeling:**

Isopropyl alcohol

· **Hazard statements:**

H226 Flammable liquid and vapor.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

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**Trade name: Pharma-C-Wipe, 70% Isopropyl Alcohol Wipes****Precautionary statements:**

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P240 Ground/bond container and receiving equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P264 Wash thoroughly after handling.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P370+P378 In case of fire: Use for extinction: CO2, powder or water spray.
- P405 Store locked up.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**National regulations:**

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**16 Other Information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

**Date of preparation / last revision:** 02/28/2017 / 1

**Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road  
 ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 VOC: Volatile Organic Compounds (USA, EU)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 NIOSH: National Institute for Occupational Safety and Health  
 OSHA: Occupational Safety & Health Administration  
 TLV: Threshold Limit Value  
 PEL: Permissible Exposure Limit  
 REL: Recommended Exposure Limit

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**Trade name: Pharma-C-Wipe, 70% Isopropyl Alcohol Wipes**

BEI: Biological Exposure Limit

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

· **\* Data compared to the previous version altered.**

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