

# SAFETY DATA SHEET

## KIMTECH PURE\* CL4 Sterile Pre-Saturated Wipers

Version	Revision Date:	MSDS Number:	Date of last issue: -
1.0	01-30-2017	10000001414	Date of first issue: 01-30-2017

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### SECTION 1. IDENTIFICATION

Product name : KIMTECH PURE\* CL4 Sterile Pre-Saturated Wipers  
Product code : 06070, 76490

#### Manufacturer or supplier's details

Company : Kimberly-Clark Corporation  
1400 Holcomb Bridge Road  
Roswell  
30076-2199  
USA  
Telephone : 1-888-346-6452

Emergency telephone number : 1-877-561-6587

E-mail address Responsible/issuing person : sdscontact@kcc.com

#### Recommended use of the chemical and restrictions on use

Restrictions on use : For professional users only.

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Category 3  
Eye irritation : Category 2A

#### GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**  
P210 Keep away from heat/sparks/open flames/hot surfaces.  
No smoking.  
P233 Keep container tightly closed.  
P240 Ground/bond container and receiving equipment.  
P241 Use explosion-proof electrical/ ventilating/ lighting/ equip-

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ment.  
P242 Use only non-sparking tools.  
P243 Take precautionary measures against static discharge.  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ eye protection/ face protection.

### Response:

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.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

### Storage:

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

### Disposal:

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

### Other hazards

None known.

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## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
propan-2-ol	67-63-0	>= 70 - < 90

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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 : Not required under normal use.  
Get medical attention if irritation develops and persists.

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

If swallowed : Drink 1 or 2 glasses of water.  
Never give anything by mouth to an unconscious person.  
If large quantities of this material are swallowed, call a physician immediately.

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Most important symptoms and effects, both acute and delayed : No hazards which require special first aid measures.

Notes to physician : No hazards which require special first aid measures.

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### SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Water  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical

Specific hazards during fire-fighting : Fire Hazard  
Highly flammable liquid and vapour.

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

Further information : Use water spray to cool unopened containers.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters : 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 : Ensure adequate ventilation.  
Remove all sources of ignition.

Environmental precautions : No special environmental precautions required.

Methods and materials for containment and cleaning up : Soak up with inert absorbent material.  
Collect in plastic or metal containers for disposal.

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### SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Vapours are heavier than air and may spread along floors.  
Keep away from open flames, hot surfaces and sources of ignition.

Advice on safe handling : Do not breathe vapours/dust.  
Keep away from heat and flame.

Conditions for safe storage : Keep containers tightly closed in a dry, cool and well-ventilated place.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
		TWA	400 ppm 980 mg/m <sup>3</sup>	OSHA Z-1
		TWA	400 ppm 980 mg/m <sup>3</sup>	OSHA P0
		STEL	500 ppm 1,225 mg/m <sup>3</sup>	OSHA P0
		TWA	400 ppm 980 mg/m <sup>3</sup>	NIOSH REL
		ST	500 ppm 1,225 mg/m <sup>3</sup>	NIOSH REL

**Biological occupational exposure limits**

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
	67-63-0	Acetone	Urine	End of shift at end of work-week	40 mg/l	ACGIH BEI
	67-63-0	Acetone	Urine	End of shift at end of work-week	40 mg/l	ACGIH BEI

**Personal protective equipment**

- Respiratory protection : No personal respiratory protective equipment normally required.
- Eye protection : Safety glasses
- Skin and body protection : Not required under normal use.
- Protective measures : No special protective equipment required.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Wash hands before breaks and immediately after handling the product.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

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Appearance	:	Liquid absorbed by inert carrier material
Colour	:	white
Odour	:	alcohol-like
Melting point/range	:	149 °C
Boiling point/boiling range	:	83 °C
Flash point	:	25 °C
Upper explosion limit	:	12.7 %(V)
Lower explosion limit	:	2.0 %(V)
Relative vapour density	:	2.1 (Air = 1.0)
Solubility(ies)	:	
Water solubility	:	completely soluble

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### SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	Stable under recommended storage conditions.
Chemical stability	:	No decomposition if stored and applied as directed.
Possibility of hazardous reactions	:	Stable under recommended storage conditions. No decomposition if used as directed.
Conditions to avoid	:	Heat, flames and sparks.
Incompatible materials	:	Strong oxidizing agents
Hazardous decomposition products	:	Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

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### SECTION 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

#### Components:

#### **propan-2-ol:**

Acute oral toxicity	:	LD50 Oral (Rat): 5,840 mg/kg Method: OECD Test Guideline 401 GLP: no
Acute inhalation toxicity	:	LC50 (Rat, male and female): > 10000 ppm Exposure time: 6 h Method: OECD Test Guideline 403

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GLP: yes

Acute dermal toxicity : LD50 Dermal (Rabbit): 12,800 mg/kg  
Method: OECD Test Guideline 402  
GLP: no

### Skin corrosion/irritation

#### Product:

Remarks: May cause skin irritation in susceptible persons.

#### Components:

##### **propan-2-ol:**

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

### Serious eye damage/eye irritation

#### Product:

Remarks: Contact with eyes may cause irritation.

#### Components:

##### **propan-2-ol:**

Species: Rabbit  
Result: Irritating to eyes.  
Method: OECD Test Guideline 405  
GLP: no

### Respiratory or skin sensitisation

#### Product:

Remarks: No data available

#### Components:

##### **propan-2-ol:**

Test Type: Buehler Test  
Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: Did not cause sensitisation on laboratory animals.  
GLP: yes

### Germ cell mutagenicity

#### Product:

Germ cell mutagenicity - : Contains no ingredient listed as a mutagen

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Assessment

### Carcinogenicity

**Product:**

Carcinogenicity - Assessment : Contains no ingredient listed as a carcinogen

### IARC

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

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

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

No component 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

**Product:**

Reproductive toxicity - Assessment : Contains no ingredient listed as toxic to reproduction

### Aspiration toxicity

**Product:**

May be harmful if swallowed and enters airways.

### Further information

**Product:**

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Concentrations substantially above the TLV value may cause narcotic effects.

Solvents may degrease the skin.

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### SECTION 12. ECOLOGICAL INFORMATION

#### Ecotoxicity

##### Product:

Toxicity to fish :  
Remarks: No information available.

Toxicity to daphnia and other aquatic invertebrates :  
Remarks: No information available.

Toxicity to algae :  
Remarks: No information available.

##### Components:

##### propan-2-ol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 9,640 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: OECD Test Guideline 203  
GLP: no

LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: OECD Test Guideline 203  
GLP: no

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 9,714 mg/l  
Exposure time: 24 h  
Test Type: static test  
Method: OECD Test Guideline 202  
GLP: no

#### Persistence and degradability

##### Product:

Biodegradability : Remarks: No information available.

#### Bioaccumulative potential

##### Product:

Bioaccumulation : Remarks: No data available

#### Mobility in soil

##### Product:

Mobility : Remarks: No information available.

Distribution among environ- : Remarks: No data available



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mental compartments

### Other adverse effects

#### **Product:**

Results of PBT and vPvB assessment : Remarks: Based on available data, the classification criteria are not met.

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

Additional ecological information : There is no data available for this product.

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### SECTION 13. DISPOSAL CONSIDERATIONS

#### **Disposal methods**

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Empty remaining contents.  
Dispose of as unused product.  
Do not re-use empty containers.

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### SECTION 14. TRANSPORT INFORMATION

#### **International Regulation**

##### **IATA-DGR**

Not permitted for transport

##### **IMDG-Code**

Not permitted for transport

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

Not applicable for product as supplied.

#### **National Regulations**

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### SECTION 15. REGULATORY INFORMATION

#### **EPCRA - Emergency Planning and Community Right-to-Know Act**

##### **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

##### **SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

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- SARA 311/312 Hazards** : No SARA Hazards  
Fire Hazard
- SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.  
  
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
- SARA 313** : The following components are subject to reporting levels established by SARA Title III, Section 313:
- |             |         |      |
|-------------|---------|------|
| propan-2-ol | 67-63-0 | 70 % |
|-------------|---------|------|
- The following components are subject to reporting levels established by SARA Title III, Section 313:
- |             |         |      |
|-------------|---------|------|
| propan-2-ol | 67-63-0 | 70 % |
|-------------|---------|------|

### Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

propan-2-ol	67-63-0	70 %
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The following chemical(s) are listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489):

propan-2-ol	67-63-0	70 %
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### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

### US State Regulations

#### Massachusetts Right To Know

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propan-2-ol	67-63-0	70 - 90 %
<b>Massachusetts Right To Know</b>		
propan-2-ol	67-63-0	70 - 80 %
<b>Pennsylvania Right To Know</b>		
propan-2-ol	67-63-0	70 - 90 %
Water	7732-18-5	30 - 50 %
<b>Pennsylvania Right To Know</b>		
propan-2-ol	67-63-0	70 - 80 %
Water	7732-18-5	30 - 40 %
<b>New Jersey Right To Know</b>		
propan-2-ol	67-63-0	70 - 90 %
Water	7732-18-5	30 - 50 %
<b>New Jersey Right To Know</b>		
propan-2-ol	67-63-0	70 - 80 %
Water	7732-18-5	30 - 40 %
<b>New York City Hazardous Substances</b>		
	No components listed on the New York City Hazardous Substances List	
<b>California Prop. 65</b>	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.	
<b>The components of this product are reported in the following inventories:</b>		
REACH	This mixture contains only ingredients which have been subject to a pre-registration according to Regulation (EC) No. 1907/2006 (REACH).	

### SECTION 16. OTHER INFORMATION

#### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECl - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Admin-

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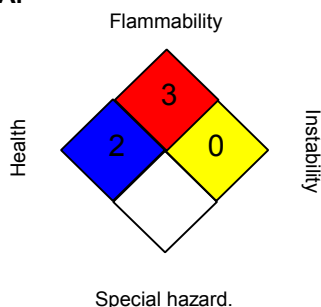
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istration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### NFPA:



#### HMIS III:

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	0

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

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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 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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