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SECTION 1. IDENTIFICATION

Product name : KIMTECH PURE* CL4 Sterile Pre-Saturated Wipers

Product code : 76490

Manufacturer or supplier's details

Company : Kimberly-Clark Corporation

1400 Holcomb Bridge Road

Roswell 30076-2199 USA

Telephone : 1-888-346-4652

Emergency telephone : 1-877-561-6587

Transport Emergency : CHEMTREC: 1-877-561-6587

E-mail address Responsi-

ble/issuing person

: sdscontact@kcc.com

Recommended use of the chemical and restrictions on use

Restrictions on use : For professional users only.

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 vapor.

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.

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P241 Use explosion-proof electrical/ ventilating/ lighting/ equip-

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.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Mixture

Hazardous ingredients

Chemical name	CAS-No.	Concentration (% w/w)
propan-2-ol	67-63-0	>= 70 - < 80

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.

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> Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a

physician immediately.

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.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media Water

Foam

Carbon dioxide (CO2)

Dry chemical

Unsuitable extinguishing

media

No information available.

Specific hazards during fire

fighting

Highly flammable liquid and vapor.

Hazardous combustion prod- :

ucts

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.

for fire-fighters

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

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- : tive equipment and emer-

gency 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.

SECTION 7. HANDLING AND STORAGE

Advice on protection against

fire and explosion

Vapors 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 vapors/dust.

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Keep away from heat and flame.

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

ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Ingredients	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/m3	OSHA Z-1
		TWA	400 ppm 980 mg/m3	OSHA P0
		STEL	500 ppm 1,225 mg/m3	OSHA P0
		TWA	400 ppm 980 mg/m3	NIOSH REL
		ST	500 ppm 1,225 mg/m3	NIOSH REL

Biological occupational exposure limits

Ingredients	CAS-No.	Control parameters	Biological specimen	Sam- pling 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

Engineering measures : none

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally

required.

Hand protection

Remarks : not required under normal use

Eye protection : Safety glasses

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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

Appearance : liquid

Color : No information available.

Odor : No information available.

Odor Threshold : No information available.

pH : No information available.

Melting point/freezing point : 149 °C

Boiling point/boiling range : 83 °C

Flash point : 25 °C

Evaporation rate : No information available.

Burning rate : No data available

Upper explosion limit : 12.7 %(V)

Lower explosion limit : 2.0 %(V)

Vapor pressure : No information available.

Relative vapor density : 2.1

Relative density : No information available.

Solubility(ies)

Water solubility : No information available.

Partition coefficient: n-

octanol/water

: No information available.

Autoignition temperature : No data available

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : No information available.

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Viscosity, kinematic : No information available.

Explosive properties : No data available

Oxidizing properties : No data available

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Stable under recommended storage conditions.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reac- :

tions

Stable under recommended storage conditions.

No decomposition if used as directed.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : None.

Hazardous decomposition

products

Carbon monoxide, carbon dioxide and unburned hydrocar-

bons (smoke).

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Skin contact

Acute toxicity

Ingredients:

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

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.

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Ingredients:

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.

Ingredients:

propan-2-ol:

Species: Rabbit

Result: Irritating to eyes.

Method: OECD Test Guideline 405

GLP: no

Respiratory or skin sensitization

Product:

Remarks: No data available

Ingredients:

propan-2-ol:

Test Type: Buehler Test Species: Guinea pig

Method: OECD Test Guideline 406

Result: Did not cause sensitization on laboratory animals.

GLP: yes

Germ cell mutagenicity

Product:

Germ cell mutagenicity -

Assessment

: Contains no ingredient listed as a mutagen

Carcinogenicity

Product:

Carcinogenicity - Assess-

ment

: Contains no ingredient listed as a carcinogen

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.

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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 component of this product present at levels greater than or

equal to 0.1% is on OSHA's list of regulated carcinogens.

No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

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.

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

Product:

Reproductive toxicity - As-

sessment

Contains no ingredient listed as toxic to reproduction

STOT-single exposure

Product:

Remarks: No data available

STOT-repeated exposure

Product:

Remarks: No data available

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.

Ingredients:

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.

Regulation: 40 CFR Protection of Environment; Part 82 Pro-Ozone-Depletion Potential

tection 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 infor-

mation

: There is no data available for this product.

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.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

: UN 3175 **UN** number

Proper shipping name : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.

: 4.1 Class Packing group : 11 Labels 4.1

IATA-DGR

UN/ID No. UN 3175

Proper shipping name Solids containing flammable liquid, n.o.s.

(Isopropanol)

Class 4.1 Packing group

<** Description for Danger Label not available: [Z8] Dan-Labels

gerLabelNo 4.1 DG regulation IATA C **>

Packing instruction (cargo

aircraft)

448

IMDG-Code

UN number UN 3175

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Proper shipping name : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.

(Isopropanol)

Class : 4.1
Packing group : II
Labels : 4.1
EmS Code : F-A, S-I
Marine pollutant : no

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

Not applicable for product as supplied.

Domestic regulation

49 CFR

UN/ID/NA number : UN 3175

Proper shipping name : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.

Class : 4.1 Packing group : II

Labels : <** Description for Danger Label not available: [Z8] Dan-

gerLabelNo 4.1 DG regulation CFR **>

ERG Code : 133 Marine pollutant : no

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

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.

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

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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 SOCMI Intermediate or Final VOC's (40 CFR 60.489):

propan-2-ol 67-63-0 70 %

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

propan-2-ol 67-63-0 70 %

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		
propan-2-ol	67-63-0	70 - 90 %
Massachusetts Right To Know		
propan-2-ol	67-63-0	70 - 80 %
Pennsylvania Right To Know		
propan-2-ol Water	67-63-0 7732-18-5	70 - 90 % 30 - 50 %
Pennsylvania Right To Know		
propan-2-ol Water	67-63-0 7732-18-5	70 - 80 % 30 - 40 %
New Jersey Right To Know		
propan-2-ol Water	67-63-0 7732-18-5	70 - 90 % 30 - 50 %
New Jersey Right To Know		
propan-2-ol Water	67-63-0 7732-18-5	70 - 80 % 30 - 40 %
New York City Hazardous Substances		

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No components listed on the New York City Hazardous

Substances List

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

Full text of other abbreviations

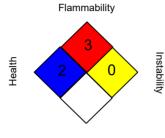
AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; 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; KECI - 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 Administration; 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

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Further information

NFPA:



Special hazard.

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 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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