



## Material Safety Data Sheet

Material Name: Safety Kleen Professional Hand Wipes

ID: 820008

### \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Part Number:** 32641

**Product Code:** Not Available

**Product Use:** Hand Cleaner

**Synonyms:** None

Safety-Kleen Systems, Inc.

Phone: 1-800-669-5740

5360 Legacy Drive

Building 2, Suite 100

Plano, TX 75024

Emergency # 1-800-468-1760

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PREPARED BY: Product MSDS Coordinator

APPROVED BY: MSDS Task Force

### \*\*\* Section 2 - Hazardous Identification \*\*\*

#### EMERGENCY OVERVIEW

##### Appearance

White to off white wipe with orange odor.

##### Signal Word

CAUTION!

##### Physical Hazards

None known, but keep away from sparks or flame.

##### Health Hazards

None expected with normal handling.

May cause eye irritation.

Skin contact may cause sensitization for some individuals.

Inhalation may cause respiratory sensitization for some individuals.

May be harmful if swallowed.

Contains material that may cause central nervous system effects.

#### POTENTIAL HEALTH EFFECTS

##### Inhalation (Breathing)

Vapor generation is unlikely. However, high concentrations of vapor or mist may irritate the respiratory tract (nose, throat, and lungs) and may cause nausea, vomiting, headaches, dizziness, loss of coordination, numbness, and other central nervous system effects.

##### Eyes

May cause irritation. Symptoms may include itching, redness, and tearing.

##### Skin

Prolonged or repeated contact with this product may dry and/or defat the skin. No symptoms expected with normal handling. D-Limonene may cause skin sensitization in some individuals with prolonged contact. Not likely to be absorbed through the skin in harmful amounts.

##### Ingestion (Swallowing)

Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

##### Medical Conditions Aggravated by Exposure

Pre-existing skin problems may be aggravated by prolonged or repeated contact.

##### Chronic

D-Limonene may cause skin sensitization in some individuals with prolonged contact.

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## Cancer Information

No known carcinogenicity. For more information, see **SECTION 11: CARCINOGENICITY**.

## Environmental Hazards

Not expected to be toxic to aquatic life.; Product not expected to be toxic to aquatic life. Also see **SECTION 12: ECOLOGICAL INFORMATION**.

## \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS	Component	Percent
7732-18-5	Water	60-100
5989-27-5	D-Limonene	5-10
Mixture	Perfume	1-5
68131-39-5	Alcohols, C12-15, ethoxylated	1-5
151-21-3	Sodium lauryl sulfate	1-5
67-63-0	Isopropyl alcohol	0.5-1.5

## \*\*\* Section 4 - First Aid Measures \*\*\*

### Inhalation (Breathing)

If symptoms are experienced, remove source of contamination or move victim to fresh air. Call a physician if symptoms develop or persist.

### Eyes

Upon contact, immediately flush eyes with plenty of lukewarm water, holding eyelids apart, for 15 minutes. Get medical attention if irritation develops.

### Skin

For acute or dangerous contact: Remove affected clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if irritation or pain develops or persists. Wash contaminated clothing before reuse.

### Ingestion (Swallowing)

Do NOT induce vomiting. Call 1-800-468-1760 for additional information. Never give anything by mouth to an unconscious person. If irritation persists or develops seek medical attention.

### Notes to Physicians

Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Call 1-800-468-1760 for additional information.

## \*\*\* Section 5 - Fire Fighting Measures \*\*\*

### Hazardous Combustion Products

Decomposition and combustion materials may be toxic. Burning may produce carbon monoxide and other unidentified organic compounds.

### Conditions of Flammability

Heat, sparks, or flame.

### Extinguishing Media

Carbon dioxide, regular foam, dry chemical, water spray, or water fog. Water or foam may cause frothing.

### Protective Equipment For Firefighting

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

### Fire Fighting Equipment/Instructions

Keep storage containers cool with water spray.

### NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

### Fire and Explosion Hazards

Product is a negligible fire hazard. Products are not sensitive to mechanical impact or static discharge.

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## \*\*\* Section 6 - Accidental Release Measures \*\*\*

Large spills are unlikely due to the packaging of product. Avoid prolonged skin and eye contact. Use care as spills may be slippery. Wipe up spilled material with cloth and transfer to a properly labeled container for disposal.

For large spills: Wear protective equipment and provide engineering controls as specified in **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**. Contain spill away from surface water and sewers.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Handling Procedures

Keep away from heat, sparks, or flame. Do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes. Do not smoke while using this product.

Do not mix with other materials.

### Shipping and Storing

Keep container tightly closed when not in use and during transport. Store containers in a cool, dry, well-ventilated place. Store between 40-120°F (4-49°C). Prevent product from freezing. Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous. See **SECTION 14: TRANSPORTATION INFORMATION** for Packing Group information.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Exposure Guidelines

#### Component Exposure Limits

##### Isopropyl alcohol (67-63-0)

ACGIH: 200 ppm TWA  
400 ppm STEL

OSHA Final: 400 ppm TWA; 980 mg/m<sup>3</sup> TWA  
OSHA Vacated: 400 ppm TWA; 980 mg/m<sup>3</sup> TWA  
500 ppm STEL; 1225 mg/m<sup>3</sup> STEL

NIOSH: 400 ppm TWA; 980 mg/m<sup>3</sup> TWA  
500 ppm STEL; 1225 mg/m<sup>3</sup> STEL

### Engineering Controls

Provide general ventilation. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits.

Where explosive mixtures may be present, equipment safe for such locations should be used.

### Personal Protective Equipment: Respiratory

It is not expected that using this product as recommended would require wearing a respirator.

### Personal Protective Equipment: Eyes/Face

Where eye contact is likely, wear chemical goggles; contact lens use is not recommended.

### Personal Protective Equipment: Skin

Not necessary with normal use.

### Personal Protective Equipment: Personal Hygiene

Use good personal hygiene.

### Other Personal Protective Equipment

Clean water should be available in work areas for flushing the eyes.

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

Appearance/Odor : White to off white wipe

Physical State: Solid

Boiling Point: Not available.

Solubility (H<sub>2</sub>O): Not available.

Density: 0.990+/- 3%

Evaporation Rate: Not available.

Odor threshold: Not available.

LFL: Not available.

UFL: Not available

Vapor Pressure: Not available.

pH: 9.5

Melting Point: Not available.

Specific Gravity: Not available.

Octanol/H<sub>2</sub>O Coeff.: Not available.

Molecular Weight: Not applicable.

Auto Ignition: Not available.

Flash point: Not available.

Viscosity: Not applicable

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## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Stability

Stable under normal temperatures and pressures.

### Incompatibility

Strong oxidizing agents such as chlorine bleach and concentrated hydrogen peroxide; fluorine gas.

### Reactivity

Polymerization is not known to occur under normal temperature and pressures. Not reactive with water.

### Hazardous Decomposition Products

Oxides of carbon, alcohols, aldehydes, ketones, organic acids, olefinic and paraffinic compounds, sodium and hydrogen. See also **SECTION 5: HAZARDOUS COMBUSTION PRODUCTS**.

**Conditions To Avoid:** Incompatible materials.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Component Analysis - LD50/LC50

#### Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

#### D-Limonene (5989-27-5)

Oral LD50 Rat 4400 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

#### Alcohols, C12-15, ethoxylated (68131-39-5)

Oral LD50 Rat 2 g/kg

#### Sodium lauryl sulfate (151-21-3)

Inhalation LC50 Rat >3900 mg/m<sup>3</sup> 1 h; Oral LD50 Rat 1288 mg/kg; Dermal LD50 Rabbit 580 mg/kg

#### Isopropyl alcohol (67-63-0)

Inhalation LC50 Rat 72.6 mg/L 4 h; Oral LD50 Rat 4396 mg/kg; Dermal LD50 Rat 12800 mg/kg; Dermal LD50 Rabbit 12870 mg/kg

### Acute Effects

May cause eye irritation. Repeated and prolonged contact with skin may cause drying, defatting and irritation. Ingestion may cause digestion tract irritation including nausea and vomiting.

### Carcinogenicity

#### Component Carcinogenicity

##### D-Limonene (5989-27-5)

**IARC:** Monograph 73 [1999] (overall evaluation downgraded from 2B to 3 with supporting evidence from other relevant data) (Group 3 (not classifiable))

##### Isopropyl alcohol (67-63-0)

**ACGIH:** A4 - Not Classifiable as a Human Carcinogen

**IARC:** Monograph 71 [1999]; Supplement 7 [1987]; Monograph 15 [1977] (Group 3 (not classifiable))

### Sensitization

D-Limonene may cause skin sensitization in some individuals with prolonged contact.

### Mutagenicity

Based on best current information, there is no known mutagenicity associated with this product.

### Reproductive Toxicity

Based on best current information, there is no known reproductive toxicity associated with this product.

Also see **SECTION 15: CALIFORNIA**.

### Teratogenicity

Ethyl alcohol is responsible for fetal alcohol syndrome which includes a number of teratogenic results: spontaneous abortions, birth defects and developmental problems.

### Toxicologically Synergistic Products

Based on best current information, there are no known toxicologically synergistic products associated with this product.

## \*\*\* Section 12 - Ecological Information \*\*\*

### Ecotoxicity

Product is not expected to be harmful to aquatic life based upon an analysis of its components.

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## Component Analysis - Ecotoxicity - Aquatic Toxicity

### D-Limonene (5989-27-5)

#### Duration/Test/Species

96 Hr LC50 Pimephales promelas  
96 Hr LC50 Oncorhynchus mykiss

#### Concentration/Conditions/Notes

0.619-0.796 mg/L [flow-through]  
35 mg/L

### Sodium lauryl sulfate (151-21-3)

#### Duration/Test/Species

96 Hr LC50 Pimephales promelas  
96 Hr LC50 Pimephales promelas  
96 Hr LC50 Pimephales promelas  
96 Hr LC50 Oncorhynchus mykiss  
96 Hr LC50 Oncorhynchus mykiss  
96 Hr LC50 Oncorhynchus mykiss  
96 Hr LC50 Brachydanio rerio  
96 Hr LC50 Brachydanio rerio  
96 Hr LC50 Lepomis macrochirus  
96 Hr LC50 Lepomis macrochirus  
96 Hr LC50 Lepomis macrochirus  
96 Hr LC50 Pimephales promelas  
96 Hr LC50 Pimephales promelas  
96 Hr LC50 Pimephales promelas  
96 Hr LC50 Poecilia reticulata  
96 Hr LC50 Poecilia reticulata  
96 Hr LC50 Cyprinus carpio  
72 Hr EC50 Desmodesmus subspicatus  
96 Hr EC50 Desmodesmus subspicatus  
96 Hr EC50 Pseudokirchneriella subcapitata  
96 Hr EC50 Pseudokirchneriella subcapitata

#### Concentration/Conditions/Notes

8-12.5 mg/L [static]  
15-18.9 mg/L [static]  
22.1-22.8 mg/L [static]  
4.3-8.5 mg/L [static]  
4.62 mg/L [flow-through]  
4.2 mg/L  
7.97 mg/L [flow-through]  
9.9-20.1 mg/L [semi-static]  
4.06-5.75 mg/L [static]  
4.2-4.8 mg/L [flow-through]  
4.5 mg/L  
5.8-7.5 mg/L [static]  
10.2-22.5 mg/L [semi-static]  
6.2-9.6 mg/L  
13.5-18.3 mg/L [semi-static]  
10.8-16.6 mg/L [static]  
1.31 mg/L [semi-static]  
53 mg/L  
30 - 100 mg/L  
117 mg/L  
3.59 - 15.6 mg/L [static]

fry  
juvenile  
adult

### Isopropyl alcohol (67-63-0)

#### Duration/Test/Species

96 Hr LC50 Pimephales promelas  
96 Hr LC50 Pimephales promelas  
96 Hr LC50 Lepomis macrochirus  
96 Hr EC50 Desmodesmus subspicatus  
72 Hr EC50 Desmodesmus subspicatus

#### Concentration/Conditions/Notes

9640 mg/L [flow-through]  
11130 mg/L [static]  
>1400000 µg/L  
>1000 mg/L  
>1000 mg/L

## Persistence/Degradability

Not expected to cause long-term adverse effects in the aquatic environment.

## Bioaccumulation/Accumulation

Product is not expected to bioaccumulate.

## Mobility in Environmental Media

No information available.

## Other Adverse Effects

No additional information available.

## \* \* \* Section 13 - Disposal Considerations \* \* \*

### Disposal Instructions

Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal.

### US EPA Waste Number & Descriptions

Material, if discarded, is not expected to be a characteristic hazardous waste under RCRA. Based on available data, this information applies to the product as supplied to the user. Processing, use, or contamination by the user may change the waste code applicable to the disposal of this product.

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## \*\*\* Section 14 - Transportation Information \*\*\*

### Emergency Response Guide Number

Not applicable.

### DOT

Not regulated as a hazardous material for transportation.

### TDG

Not regulated as a dangerous good for transportation.

## \*\*\* Section 15 - Regulatory Information \*\*\*

### Volatile Organic Compounds (As Regulated)

0.7 WT%; As per 40 CFR 51.100(s)

### SARA Sections 311/312

This product poses the following health hazard(s) as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA):

None under normal conditions of use.

### SARA 302/304

#### Component Analysis

This product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

### SARA Section 313

The following component is subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

#### Isopropyl alcohol (67-63-0)

1.0 % de minimis concentration (only if manufactured by the strong acid process, no supplier notification)

### CERCLA

#### Component Analysis

This product does not contain any "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

### TSCA

All the components of this product are listed on, or are automatically included as "naturally occurring chemical substances" on, or are exempted from the requirement to be listed on, the TSCA Inventory.

#### Component Analysis

Component	CAS #	TSCA
Water	7732-18-5	Yes
D-Limonene	5989-27-5	Yes
Alcohols, C12-15, ethoxylated	68131-39-5	Yes
Sodium lauryl sulfate	151-21-3	Yes
Isopropyl alcohol	67-63-0	Yes

### California

WARNING: This product contains a detectable amount of the following chemicals known to the State of California to cause cancer and/or birth defects: Benzene, Formaldehyde, Acetaldehyde, 1,3 Butadiene, and Propylene oxide. This product contains ethanol, known to the State of California to cause birth defects and/or reproductive harm.

#### Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Isopropyl alcohol	67-63-0	Yes	Yes	Yes	Yes	Yes	Yes

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## Canadian Regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR.

## Component Analysis

Component	CAS #	CAN
Water	7732-18-5	DSL
D-Limonene	5989-27-5	DSL
Alcohols, C12-15, ethoxylated	68131-39-5	DSL
Sodium lauryl sulfate	151-21-3	DSL
Isopropyl alcohol	67-63-0	DSL

## Canadian WHMIS Information

Not controlled

## Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

**D-Limonene (5989-27-5)** 1 %

**Sodium lauryl sulfate (151-21-3)** 1 %

**Isopropyl alcohol (67-63-0)** 1 %

## Canadian Environmental Protection Act (CEPA)

All the components of this product are listed on, or are automatically included as "substance occurring in nature" on, or are exempted from the requirements to be listed on, the Canadian Domestic Substances List (DSL).

\* \* \* **Section 16 - Other Information** \* \* \*

## Label/Other Information

Not available.

## Revision Information

Updated format.

## Disclaimer

User assumes all risks incident to the use of this (these) product(s). To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either express or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the product(s) as supplied to the user.

End of Sheet 820008