



# MATERIAL SAFETY DATA SHEET

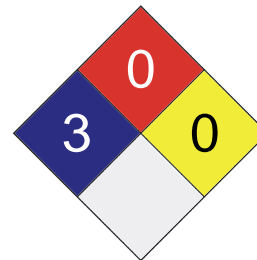
## 1. Product and Company Identification

**Product Name** Cleansweep One  
**CAS #** Mixture  
**Product use** Cleaner  
**Manufacturer** Graffiti Solutions Canada  
7785 Franktown Road  
Richmond, ON K0A 2Z0 CA  
Phone: 613-838-5842  
Phone: 866-906-9273  
Fax: 613-838-5843  
613-996-6666

### CANUTEC

LEGEND HMIS/NFPA	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	/ 3
Flammability	0
Physical Hazard	0
Personal Protection	B



## 2. Hazards Identification

**Emergency overview** DANGER  
May cause chemical burns to eyes and skin.

**Potential short term health effects**

**Routes of exposure** Eye, Skin contact, Inhalation, Ingestion.

**Eyes** Causes chemical burns. May cause blindness.

**Skin** May cause chemical burns.

**Inhalation** May cause respiratory tract irritation or chemical burns.

**Ingestion** Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.

**Target organs** Eyes. Respiratory system. Skin.

**Chronic effects** Prolonged or repeated exposure to dilutions can cause drying, defatting and dermatitis.

**Signs and symptoms** The product causes burns of eyes, skin and mucous membranes.

## 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	Percent
Phosphoric acid	7664-38-2	10 - 30
Ethanol, 2-[2-[2-(tetradecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	25446-80-4	1 - 5
Sodium dodecylbenzenesulfonate	25155-30-0	1 - 5
Ethanol	64-17-5	0.1 - 1

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.

**Skin contact** Immediately flush with water. Wash with soap and water. Obtain medical attention if irritation persists.

**Inhalation** If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

**Ingestion** Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

**Notes to physician** Symptoms may be delayed.

**General advice**

If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.

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## 5. Fire Fighting Measures

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<b>Flammable properties</b>	Not flammable by WHMIS/OSHA criteria.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Dry chemical. Carbon dioxide. Fog.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	Not available
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of phosphorus. Oxides of carbon.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

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## 6. Accidental Release Measures

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<b>Personal precautions</b>	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.
<b>Methods for containment</b>	Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.
<b>Methods for cleaning up</b>	Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use.

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## 7. Handling and Storage

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<b>Handling</b>	<b>DANGER</b> May cause chemical burns to eyes and skin. Use good industrial hygiene practices in handling this material. Do not get this material in your eyes, on your skin, or on your clothing.
<b>Storage</b>	Keep out of the reach of children. Store in a closed container away from incompatible materials.

## 8. Exposure Controls / Personal Protection

### Exposure limits

Ingredient(s)	Exposure Limits
Ethanol	<b>ACGIH-TLV</b> TWA: 1000 ppm STEL: 1000 ppm <b>OSHA-PEL</b> TWA: 1000 ppm
Ethanol, 2-[2-[2-(tetradecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
Phosphoric acid	<b>ACGIH-TLV</b> TWA: 1 mg/m3 STEL: 3 mg/m3 <b>OSHA-PEL</b> TWA: 1 mg/m3
Sodium dodecylbenzenesulfonate	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established

### Engineering controls

General ventilation normally adequate.

### Personal protective equipment

#### Eye / face protection

Wear chemical goggles.

#### Hand protection

Rubber gloves. Confirm with a reputable supplier first.

#### Skin and body protection

As required by employer code.

#### Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

#### General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

## 9. Physical and Chemical Properties

Appearance	Clear.
Color	light green
Form	Liquid
Odor	Mint
Odor threshold	Not available
Physical state	Liquid
pH	1.15
Melting point	Not available
Freezing point	Not available
Boiling point	Not available
Pour point	Not available
Evaporation rate	Not available
Flash point	Not available
Auto-ignition temperature	Not available
Flammability limits in air, lower, % by volume	Not available
Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available

Specific gravity	Not available
Octanol/water coefficient	Not available
Solubility (H2O)	Not available
VOC (Weight %)	Not available
Viscosity	Not available
Percent volatile	Not available

## 10. Stability and Reactivity

<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Do not mix with other chemicals. Reacts violently with alkaline material. This product may react with reducing agents.
<b>Incompatible materials</b>	Reducing agents. Caustics. Oxidizers.
<b>Hazardous decomposition products</b>	May include and are not limited to: Oxides of carbon. Oxides of phosphorus.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.

## 11. Toxicological Information

### Component analysis - LC50

Ingredient(s)	LC50
Ethanol	31623 ppm rat
Ethanol, 2-[2-[2-(tetradecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	Not available
Phosphoric acid	Not available
Sodium dodecylbenzenesulfonate	Not available

### Component analysis - Oral LD50

Ingredient(s)	LD50
Ethanol	3450 mg/kg mouse; 7060 mg/kg rat
Ethanol, 2-[2-[2-(tetradecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt	Not available
Phosphoric acid	1530 mg/kg rat
Sodium dodecylbenzenesulfonate	438 mg/kg rat

### Effects of acute exposure

<b>Eye</b>	Causes chemical burns. May cause blindness.
<b>Skin</b>	May cause chemical burns.
<b>Inhalation</b>	May cause respiratory tract irritation or chemical burns.
<b>Ingestion</b>	Harmful if swallowed. May cause chemical burns to mouth, throat and stomach.
<b>Sensitization</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Chronic effects</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Carcinogenicity</b>	See below.

#### ACGIH - Threshold Limit Values - Carcinogens

Ethanol	64-17-5	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
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#### IARC - Group 1 (Carcinogenic to Humans)

Ethanol	64-17-5	Monograph 100E [in preparation] (in alcoholic beverages); Monograph 96 [in preparation] (in alcoholic beverages)
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<b>Mutagenicity</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Reproductive effects</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Teratogenicity</b>	Non-hazardous by WHMIS/OSHA criteria.
<b>Synergistic Materials</b>	Not available

## 12. Ecological Information

<b>Ecotoxicity</b>	Components of this product have been identified as having potential environmental concerns.	
<b>Ecotoxicity - Freshwater Fish - Acute Toxicity Data</b>		
Ethanol	64-17-5	96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through]
Phosphoric acid	7664-38-2	96 Hr LC50 Gambusia affinis: 3 - 3.5 mg/L
Sodium dodecylbenzenesulfonate	25155-30-0	96 Hr LC50 Oncorhynchus mykiss: 10.8 mg/L [static]
<b>Ecotoxicity - Water Flea - Acute Toxicity Data</b>		
Ethanol	64-17-5	48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 24 Hr EC50 Daphnia magna: 10800 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]
Phosphoric acid	7664-38-2	12 Hr EC50 Daphnia magna: 4.6 mg/L
<b>Environmental effects</b>	Not available	
<b>Aquatic toxicity</b>	Not available	
<b>Persistence / degradability</b>	Not available	
<b>Bioaccumulation / accumulation</b>	Not available	
<b>Partition coefficient</b>	Not available	
<b>Mobility in environmental media</b>	Not available	
<b>Chemical fate information</b>	Not available	
<b>Other adverse effects</b>	Not available	

## 13. Disposal Considerations

<b>Waste codes</b>	Not available
<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations.
<b>Waste from residues / unused products</b>	Not available
<b>Contaminated packaging</b>	Not available

## 14. Transport Information

### U.S. Department of Transportation (DOT)

#### Basic shipping requirements:

<b>Proper shipping name</b>	Phosphoric acid solution
<b>Hazard class</b>	8
<b>UN number</b>	UN1805
<b>Packing group</b>	III
<b>Additional information:</b>	
<b>Special provisions</b>	A7, IB3, N34, T4, TP1
<b>Packaging exceptions</b>	154
<b>ERG number</b>	154



## Transportation of Dangerous Goods (TDG - Canada)

### Basic shipping requirements:

**Proper shipping name** PHOSPHORIC ACID, LIQUID  
**Hazard class** 8  
**UN number** UN1805  
**Packing group** III



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## 15. Regulatory Information

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### Canadian federal regulations

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

#### Canada - WHMIS - Ingredient Disclosure List

Ethanol	64-17-5	0.1 %
Phosphoric acid	7664-38-2	1 %
Sodium dodecylbenzenesulfonate	25155-30-0	1 %

### US Federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

#### U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

Phosphoric acid	7664-38-2	5000 Lb final RQ; 2270 kg final RQ
Sodium dodecylbenzenesulfonate	25155-30-0	1000 Lb final RQ; 454 kg final RQ

#### U.S. - CWA (Clean Water Act) - Hazardous Substances

Phosphoric acid	7664-38-2	Present
Sodium dodecylbenzenesulfonate	25155-30-0	Present

### Occupational Safety and Health Administration (OSHA)

**29 CFR 1910.1200 hazardous chemical** Yes

### CERCLA (Superfund) reportable quantity

Phosphoric acid: 5000.0000  
Sodium dodecylbenzene sulfonate: 1000.0000

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories**  
Immediate Hazard - Yes  
Delayed Hazard - No  
Fire Hazard - No  
Pressure Hazard - No  
Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

**Clean Air Act (CAA)** Not available

**Clean Water Act (CWA)** Not available

**WHMIS status** Controlled

**WHMIS classification** Class E - Corrosive Material

**WHMIS labeling**



**State regulations**

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

**U.S. - California - 8 CCR Section 339 - Director's List of Hazardous Substances**

Ethanol	64-17-5	Present (refers to solutions greater than or equal to 25% which are not beverage alcohols)
Phosphoric acid	7664-38-2	Present
Sodium dodecylbenzenesulfonate	25155-30-0	Present (exempt when in solution)

**U.S. - California - Proposition 65 - Developmental Toxicity**

Ethanol	64-17-5	developmental toxicity, initial date 10/1/87 (when in alcoholic beverages)
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**U.S. - Louisiana - Reportable Quantity List for Pollutants**

Phosphoric acid	7664-38-2	5000 Lb final RQ; 2270 kg final RQ
Sodium dodecylbenzenesulfonate	25155-30-0	1000 Lb final RQ; 454 kg final RQ

**U.S. - Massachusetts - Right To Know List**

Ethanol	64-17-5	Teratogen
Phosphoric acid	7664-38-2	Present
Sodium dodecylbenzenesulfonate	25155-30-0	Present

**U.S. - Minnesota - Hazardous Substance List**

Ethanol	64-17-5	Present
Phosphoric acid	7664-38-2	Present

**U.S. - New Jersey - Right to Know Hazardous Substance List**

Ethanol	64-17-5	sn 0844
Phosphoric acid	7664-38-2	sn 1516
Sodium dodecylbenzenesulfonate	25155-30-0	sn 1698

**U.S. - New York - Reporting of Releases Part 597 - List of Hazardous Substances**

Phosphoric acid	7664-38-2	5000 Lb RQ (air); 100 lb RQ (land/water)
Sodium dodecylbenzenesulfonate	25155-30-0	1000 Lb RQ (air); 100 lb RQ (land/water)

**U.S. - Pennsylvania - RTK (Right to Know) List**

Ethanol	64-17-5	Present
Phosphoric acid	7664-38-2	Environmental hazard
Sodium dodecylbenzenesulfonate	25155-30-0	Environmental hazard

**U.S. - Rhode Island - Hazardous Substance List**

Ethanol	64-17-5	Toxic; Flammable
Phosphoric acid	7664-38-2	Toxic; Flammable

**Inventory name**

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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## 16. Other Information

**Disclaimer**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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**Other information**

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.