



MATERIAL SAFETY DATA SHEET

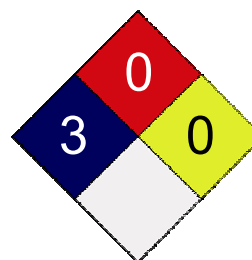
1. Product and Company Identification

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 -- CORROSIVE
Contains a potential mutagen.

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.

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. Rinse mouth with water, then drink one or two glasses of water. 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.

5. Fire Fighting Measures

Flammable properties

Not flammable by WHMIS/OSHA criteria.

Extinguishing media**Suitable extinguishing media**

Dry chemical. Carbon dioxide. Fog.

Unsuitable extinguishing media

Not available

Protection of firefighters**Specific hazards arising from the chemical**

Not available

Protective equipment for firefighters

Firefighters should wear full protective clothing including self contained breathing apparatus.

Hazardous combustion products

May include and are not limited to: Oxides of phosphorus. Oxides of carbon.

Explosion data**Sensitivity to mechanical impact**

Not available

Sensitivity to static discharge

Not available

6. Accidental Release Measures

Personal precautions

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.

Methods for containment

Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

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.

7. Handling and Storage

Handling

Use good industrial hygiene practices in handling this material. Do not get this material in your eyes, on your skin, or on your clothing.

Storage

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 | ACGIH-TLV TWA: 1000 ppm OSHA-PEL TWA: 1000 ppm |
| Ethanol, 2-[2-[2-(tetradecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt | ACGIH-TLV Not established OSHA-PEL Not established |
| Phosphoric acid | ACGIH-TLV TWA: 1 mg/m3 STEL: 3 mg/m3 OSHA-PEL TWA: 1 mg/m3 |
| Sodium dodecylbenzenesulfonate | ACGIH-TLV Not established OSHA-PEL 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 & 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 |
| Flash point | Not available |
| Evaporation rate | 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 |
| Auto-ignition temperature | Not available |
| VOC (Weight %) | Not available |
| Viscosity | Not available |
| Percent volatile | Not available |

10. Chemical Stability & Reactivity Information

| | |
|---|--|
| Chemical stability | Stable under recommended storage conditions. |
| Conditions to avoid | Do not mix with other chemicals. Reacts violently with alkaline material. This product may react with reducing agents. |
| Incompatible materials | Reducing agents. Caustics. Oxidizers. |
| Hazardous decomposition products | May include and are not limited to: Oxides of carbon. Oxides of phosphorus. |
| Possibility of hazardous reactions | 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; 1501 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

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

ACGIH - Threshold Limits Values - Carcinogens

| | | |
|---------|---------|---|
| Ethanol | 64-17-5 | A4 - Not Classifiable as a Human Carcinogen |
|---------|---------|---|

Mutagenicity Mutagenic effects were observed in somatic and reproductive cells of live animals (rats and mice) exposed to high oral doses of ethanol.

Reproductive effects Non-hazardous by WHMIS/OSHA criteria.

Teratogenicity Non-hazardous by WHMIS/OSHA criteria.

12. Ecological Information

| | | |
|---|---|--|
| Ecotoxicity | Components of this product have been identified as having potential environmental concerns. | |
| Ecotoxicity - Freshwater Fish Species Data | | |
| Ethanol | 64-17-5 | 96 Hr LC50 Oncorhynchus mykiss: 12900 mg/L [flow-through] (30 days old); 96 Hr LC50 Pimephales promelas: 14.2 mg/L |
| 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] |
| Ecotoxicity - Microtox Data | | |
| Ethanol | 64-17-5 | 5 Min EC50 Photobacterium phosphoreum: 35470 mg/L; 30 min EC50 Photobacterium phosphoreum: 34634 mg/L |
| Ecotoxicity - Water Flea Data | | |
| Ethanol | 64-17-5 | 48 Hr EC50 Daphnia magna: 9268 mg/L; 24 Hr EC50 Daphnia magna: 10800 mg/L |
| Phosphoric acid | 7664-38-2 | 12 Hr EC50 Daphnia magna: 4.6 mg/L |
| Environmental effects | Not available | |
| Aquatic toxicity | Not available | |
| Persistence / degradability | Not available | |
| Bioaccumulation / accumulation | Not available | |
| Partition coefficient | Not available | |
| Mobility in environmental media | Not available | |
| Chemical fate information | Not available | |

13. Disposal Considerations

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

14. Transport Information

Department of Transportation (DOT)

Basic shipping requirements:

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



Transportation of Dangerous Goods (TDG)

Basic shipping requirements:

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



15. Regulatory Information

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 |

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 - Yes
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

Safe Drinking Water Act (SDWA) Not available

Drug Enforcement Agency (DEA) Not available

Food and Drug Administration (FDA) Not available

WHMIS status Controlled

WHMIS classification Class D - Division 2A, 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) |
|---------|---------|--|

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)

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.

Issue date

22-Jan-2008

Effective date

15-Jan-2008

Expiry date

15-Jan-2011

Prepared by

Dell Tech Laboratories Ltd. (519) 858-5021