



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product name Cleansweep One
CAS # Mixture
Product use Cleaner
Manufacturer Graffiti Solutions Canada
552 St Thomas Rang
Embrun, ON K0A 1W0 CA
Phone: 613-838-5842
Phone: 866-906-9273
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CANUTEC 613-996-6666

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.

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

3. Composition/Information on Ingredients

Components	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.

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	Firefighters should wear a self-contained breathing apparatus.
Protective equipment and precautions 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.
Environmental precautions	Do not discharge into lakes, streams, ponds or public waters.
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 to original containers for re-use.

7. Handling and Storage

Handling	DANGER 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.
Storage	Keep out of the reach of children. Store in a closed container away from incompatible materials.

8. Exposure Controls/Personal Protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Ethanol (CAS 64-17-5)	STEL	1000 ppm
Phosphoric acid (CAS 7664-38-2)	STEL	3 mg/m ³
	TWA	1 mg/m ³

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Ethanol (CAS 64-17-5)	PEL	1900 mg/m ³ 1000 ppm
Phosphoric acid (CAS 7664-38-2)	PEL	1 mg/m ³

Exposure limits	Chemicals listed in section 3 that are not listed here do not have established limit values for ACGIH or OSHA PEL.
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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	1.2
Freezing point	Not available.
Boiling point	Not available
Melting point	Not available.
Pour point	Not available.
Evaporation rate	Not available
Flash point	Not available.
Auto-ignition temperature	Not available.
Flammability limits in air, upper, % by volume	Not available.
Flammability limits in air, lower, % by volume	Not available.
Vapor pressure	Not available.
Vapor density	Not available
Specific gravity	Not available
Partition coefficient (n-octanol/water)	Not available
Solubility (water)	Not available
Relative density	Not available.
Viscosity	Not available.
VOC	Not available.
Percent volatile	Not available.

10. Stability and Reactivity

Reactivity	Do not mix with other chemicals.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	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.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
Ethanol (CAS 64-17-5)		
Acute		
<i>Inhalation</i>		
LC50	Mouse	39 mg/l, 4 Hours
	Rat	31623 ppm, 4 Hours
<i>Oral</i>		
LD50	Dog	5500 mg/kg
	Guinea pig	5600 mg/kg
	Mouse	3450 mg/kg
	Rat	7060 mg/kg
Ethanol, 2-[2-[2-(tetradecyloxy)ethoxy]ethoxy]-, hydrogen sulfate, sodium salt (CAS 25446-80-4)		
LC50		
Not available.		
LD50		
Not available.		
Phosphoric acid (CAS 7664-38-2)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	2740 mg/kg
<i>Oral</i>		
LD50	Rat	1530 mg/kg
LC50		
Not available.		
Sodium dodecylbenzenesulfonate (CAS 25155-30-0)		
Acute		
<i>Dermal</i>		
LD50	Rat	2700 mg/kg
<i>Inhalation</i>		
LC50		
<i>Oral</i>		
LD50	Rat	438 mg/kg
Effects of acute exposure		
Eye contact	Causes chemical burns. May cause blindness.	
Skin contact	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.	
Sensitization	Non-hazardous by WHMIS/OSHA criteria.	
Chronic effects	Non-hazardous by WHMIS/OSHA criteria.	
Carcinogenicity	See below.	
ACGIH Carcinogens		
Ethanol (CAS 64-17-5)	A3 Confirmed animal carcinogen with unknown relevance to humans.	
IARC Monographs. Overall Evaluation of Carcinogenicity		
Ethanol (CAS 64-17-5)	Volume 44, Volume 96, Volume 100E 1 Carcinogenic to humans. Volume 96, Volume 100E 1 Carcinogenic to humans.	
US - California Proposition 65 - CRT: Listed date/Carcinogenic substance		
Ethanol (CAS 64-17-5)	Carcinogenic.	

US NTP Report on Carcinogens: Known carcinogen

Ethanol (CAS 64-17-5)

Known To Be Human Carcinogen.

Mutagenicity	Non-hazardous by WHMIS/OSHA criteria.
Reproductive effects	Non-hazardous by WHMIS/OSHA criteria.
Teratogenicity	Non-hazardous by WHMIS/OSHA criteria.
Name of Toxicologically Synergistic Products	Not available.

12. Ecological Information

Ecotoxicity Components of this product have been identified as having potential environmental concerns.

Ecotoxicological data**Components**

Ethanol (CAS 64-17-5)

	Species	Test Results
Crustacea	EC50	Daphnia
		11744.5 mg/L, 48 Hours

Aquatic

Crustacea	EC50	Water flea (Daphnia magna)	7.7 - 11.2 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	> 100 mg/l, 96 hours

Sodium dodecylbenzenesulfonate (CAS 25155-30-0)

Aquatic

Crustacea	EC50	Water flea (Ceriodaphnia dubia)	3.26 - 14.51 mg/l, 48 hours
Fish	LC50	Rainbow trout, donaldson trout (Oncorhynchus mykiss)	3.2 - 5.6 mg/l, 96 hours

Persistence and degradability Not available.**Bioaccumulation / Accumulation** Not available.**Mobility in environmental media** Not available.**Environmental effects** Not available.**Aquatic toxicity** Not available.**Partition coefficient**

Ethanol -0.31

Sodium dodecylbenzenesulfonate 0.45

Chemical fate information Not available.**13. Disposal Considerations****Disposal instructions** Dispose in accordance with all applicable regulations.**Waste from residues / unused products** Not available**Contaminated packaging** Not available**14. Transport Information****U.S. Department of Transportation (DOT)****Basic shipping requirements:**

UN number	UN1805
Proper shipping name	Phosphoric acid solution
Hazard class	8
Packing group	III
Special provisions	A7, IB3, N34, T4, TP1
Packaging exceptions	154
Packaging non bulk	203
Packaging bulk	241

Transportation of Dangerous Goods (TDG - Canada)**Basic shipping requirements:**

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

DOT



TDG



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 NPRI VOCs with Additional Reporting Requirements: Mass reporting threshold/Identification Number

Ethanol (CAS 64-17-5) 1 tonnes

Canada WHMIS Ingredient Disclosure: Threshold limits

Ethanol (CAS 64-17-5) 0.1 %

Phosphoric acid (CAS 7664-38-2) 1 %

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) 1 %

WHMIS status Controlled
WHMIS classification Class E - Corrosive Material

WHMIS labeling



Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 Yes
hazardous chemical

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

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

US CWA Section 311 Hazardous Substances: Listed substance

Phosphoric acid (CAS 7664-38-2) Listed.

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Ethanol (CAS 64-17-5) Listed.

Phosphoric acid (CAS 7664-38-2) Listed.

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

US CAA Section 111 Volatile Organic Compounds: Listed substance

Ethanol (CAS 64-17-5) Listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

CERCLA (Superfund) reportable quantity

Phosphoric acid: 5000

Sodium dodecylbenzenesulfonate: 1000

Ethanol: 100

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

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

US - California Hazardous Substances (Director's): Listed substance

Ethanol (CAS 64-17-5) Listed.

Phosphoric acid (CAS 7664-38-2) Listed.

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance

Ethanol (CAS 64-17-5) Listed.

US - Illinois Chemical Safety Act: Listed substance

Ethanol (CAS 64-17-5) Listed.

Phosphoric acid (CAS 7664-38-2) Listed.

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

US - Louisiana Spill Reporting: Listed substance

Ethanol (CAS 64-17-5) Listed.

Phosphoric acid (CAS 7664-38-2) Listed.

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

US - Minnesota Haz Subs: Listed substance

Ethanol (CAS 64-17-5) Listed.

Phosphoric acid (CAS 7664-38-2) Listed.

US - New Jersey RTK - Substances: Listed substance

Ethanol (CAS 64-17-5) Listed.

Phosphoric acid (CAS 7664-38-2) Listed.

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

US - New York Release Reporting: Hazardous Substances: Listed substance

Phosphoric acid (CAS 7664-38-2) Listed.

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

US. Massachusetts RTK - Substance List

Ethanol (CAS 64-17-5) Listed.

Phosphoric acid (CAS 7664-38-2) Listed.

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

US. Pennsylvania RTK - Hazardous Substances

Ethanol (CAS 64-17-5) Listed.

Phosphoric acid (CAS 7664-38-2) Listed.

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

US. Rhode Island RTK

Phosphoric acid (CAS 7664-38-2) Listed.

Sodium dodecylbenzenesulfonate (CAS 25155-30-0) Listed.

Inventory status

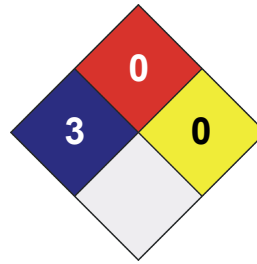
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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

16. Other Information

LEGEND	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

HEALTH	/ 3
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	X



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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Prepared by

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Other information

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

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.