



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product name Cleansweep Two
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
Fax: 613-838-5842
CANUTEC 613-996-6666

2. Hazards Identification

Emergency overview DANGER
Very toxic.
Flammable liquid - may release vapors that form flammable mixtures at or above the flash point.
Contains a potential teratogen.
CAUSES EYE IRRITATION. MAY CAUSE SKIN IRRITATION.

Potential short term health effects

Routes of exposure Eye, Skin contact, Skin absorption, Inhalation, Ingestion.
Eyes Causes irritation.
Skin May cause irritation.
May be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Methyl alcohol (CAS 67-56-1) Can be absorbed through the skin.

US. NIOSH: Pocket Guide to Chemical Hazards

Methyl alcohol (CAS 67-56-1) Can be absorbed through the skin.

Inhalation This product may be fatal if it is inhaled.
Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

Ingestion This product may be harmful or fatal if swallowed.
May cause stomach distress, nausea or vomiting.

Target organs Eyes. Respiratory system. Skin.

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

Signs and symptoms Symptoms are prostration, gasping, pallor, and uncoordinated movements.
Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

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
Methyl alcohol	67-56-1	15 - 40

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. If breathing has stopped, trained personnel should administer CPR immediately.

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	Keep away from sources of ignition. No smoking. Avoid contact with eyes and skin. Keep out of reach of children. Immediate medical attention is required. 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. If you feel unwell, seek medical advice (show the label where possible).

5. Fire Fighting Measures

Flammable properties	Flammable by WHMIS/OSHA criteria. Vapors may travel to a source of ignition and flash back. Containers may explode when heated.
Extinguishing media	
Suitable extinguishing media	Carbon dioxide. Water spray. Dry chemical. Foam. Water 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 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. Use water spray to reduce vapors or divert vapor cloud drift.
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. Large Spills: Wet down with water and dike for later disposal. After removal flush contaminated area thoroughly with water.

7. Handling and Storage

Handling	DANGER FLAMMABLE Very toxic. EYE AND SKIN IRRITANT. Use good industrial hygiene practices in handling this material. Do not get this material in your eyes, on your skin, or on your clothing. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.
Storage	Keep out of reach of children. Do not store at temperatures above 120°F (49°C). 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
Methyl alcohol (CAS 67-56-1)	STEL	250 ppm
	TWA	200 ppm

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

Components	Type	Value
Methyl alcohol (CAS 67-56-1)	PEL	260 mg/m3
		200 ppm

Exposure limits	See above
Engineering controls	Provide adequate ventilation.
Personal protective equipment	
Eye / face protection	Wear safety glasses with side shields.
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. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).
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	Liquid
Color	blue
Form	Liquid
Odor	Mild alcohol.
Odor threshold	Not available.
Physical state	Liquid.
pH	7.3
Freezing point	Not available.
Boiling point	Not available
Melting point	Not available.
Pour point	Not available.
Evaporation rate	Not available
Flash point	80.6 °F (27.0 °C) Tag Closed Cup
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 Avoid high temperatures.
Incompatible materials Caustics. Acids. Oxidizers.
Hazardous decomposition products May include and are not limited to: Oxides of carbon.

11. Toxicological Information

Toxicological data

Components	Species	Test Results
Methyl alcohol (CAS 67-56-1)		
Acute		
<i>Dermal</i>		
LD50	Rabbit	15800 - 20000 mg/kg
	Rat	> 450000 mg/kg
<i>Inhalation</i>		
LC50	Cat	85.4 mg/l/4h
		43.7 mg/l, 6 Hours
	Rat	64000 ppm, 4 Hours
		87.5 mg/l, 6 Hours
		83.2 - 128.8 mg/l/4h
<i>Oral</i>		
LD50	Dog	8000 mg/kg
	Human	143 - 300 mg/kg
	Monkey	3000 mg/kg
		2000 mg/kg
	Mouse	7300 mg/kg
	Rabbit	14200 - 14400 mg/kg
	Rat	790 - 13000 mg/kg

Effects of acute exposure

Eye contact Causes irritation.
Skin contact May cause irritation.
May be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

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Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness).

Ingestion This product may be harmful or fatal if swallowed.
May cause stomach distress, nausea or vomiting.

Sensitization Non-hazardous by WHMIS/OSHA criteria.

Chronic effects Non-hazardous by WHMIS/OSHA criteria.

Carcinogenicity Non-hazardous by WHMIS/OSHA criteria.

Mutagenicity	Non-hazardous by WHMIS/OSHA criteria.
Reproductive effects	Non-hazardous by WHMIS/OSHA criteria.
Teratogenicity	Methanol has produced teratogenic effects in mice exposed by inhalation to high concentrations that did not produce significant maternal toxicity.
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	Species		Test Results
Methyl alcohol (CAS 67-56-1)			
Aquatic			
Crustacea	EC50	Water flea (<i>Daphnia magna</i>)	> 10000 mg/l, 48 hours
Fish	LC50	Fathead minnow (<i>Pimephales promelas</i>)	> 100 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
Methyl alcohol -0.77

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	UN1230
Proper shipping name	Methanol
Hazard class	3
Subsidiary hazard class	6.1(PGI, II)
Packing group	II
Special provisions	IB2, T7, TP2
Packaging exceptions	150
Packaging non bulk	202
Packaging bulk	242

Transportation of Dangerous Goods (TDG - Canada)

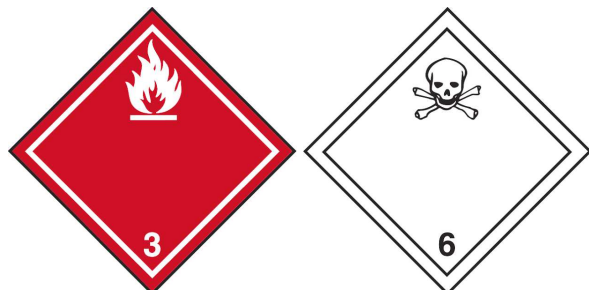
Basic shipping requirements:

UN number	UN1230
Proper shipping name	METHANOL SOLUTION
Hazard class	3
Subsidiary hazard class	6.1
Packing group	II
Special provisions	43

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

Methyl alcohol (CAS 67-56-1) 1 tonnes

Canada WHMIS Ingredient Disclosure: Threshold limits

Methyl alcohol (CAS 67-56-1) 1 %

WHMIS status Controlled

WHMIS classification Class B - Division 2 - Flammable Liquid, Class D - Division 1B, 2A, 2B

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.

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: De minimis concentration

Methyl alcohol (CAS 67-56-1) 1.0 %

US EPCRA (SARA Title III) Section 313 - Toxic Chemical: Listed substance

Methyl alcohol (CAS 67-56-1) Listed.

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

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

Methyl alcohol (CAS 67-56-1) Listed.

US CAA Section 111 Volatile Organic Compounds: Listed substance

Methyl alcohol (CAS 67-56-1) 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

Methyl alcohol (CAS 67-56-1) Listed.

CERCLA (Superfund) reportable quantity

Methyl alcohol: 5000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
 Immediate Hazard - Yes
 Delayed Hazard - Yes
 Fire Hazard - Yes
 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

Methyl alcohol (CAS 67-56-1) Listed.

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

Methyl alcohol (CAS 67-56-1) Listed.

US - Illinois Chemical Safety Act: Listed substance

Methyl alcohol (CAS 67-56-1) Listed.

US - Louisiana Spill Reporting: Listed substance

Methyl alcohol (CAS 67-56-1) Listed.

US - Minnesota Haz Subs: Listed substance

Methyl alcohol (CAS 67-56-1) Listed.

US - New Jersey RTK - Substances: Listed substance

Methyl alcohol (CAS 67-56-1) Listed.

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

Methyl alcohol (CAS 67-56-1) Listed.

US. Massachusetts RTK - Substance List

Methyl alcohol (CAS 67-56-1) Listed.

US. Pennsylvania RTK - Hazardous Substances

Methyl alcohol (CAS 67-56-1) Listed.

US. Rhode Island RTK

Methyl alcohol (CAS 67-56-1) Listed.

Inventory status

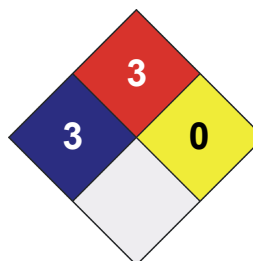
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*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	3
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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01-February-2017

Prepared by

Dell Tech Laboratories, Ltd. Phone: (519) 858-5021

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.