

SAFETY DATA SHEET

Revision 1
Prepared 2015-05-21

Section 1 – Chemical Product and Company Information

Product Name: **GRAFFITI-CLEAN™**
Product Code: TL-113

Product Uses: An environmentally friendly cleaner that removes most paint, crayon, oil, permanent marker, varnish, glue, etc., from most CMU wall surfaces.

Manufactured by:
Chemcoat, Inc.
P.O. Box 188
2790 Canfield Lane
Montoursville, PA 17754

IN CASE OF EMERGENCY:
Chem-tel
800-255-3924

Section 2 – Hazards Identification

GHS Ratings:
Flammable liquid

GHS Hazards:
H227 Combustible liquid

GHS Precautions:

Routes of Entry:
Inhalation; Skin Contact; Eye Contact; Ingestion

Exposure to this material may affect the following organs:
Blood; Eyes; Kidneys; Liver; Lungs; Central Nervous System;

Effects of Overexposure:

Short Term Exposure: This chemical irritates the eyes, skin, and respiratory tract. High exposure causes dizziness, lightheadedness, and unconsciousness. Higher exposures can cause pulmonary edema, a medical emergency that can be delayed for several hours. Exposure could cause central nervous system depression and liver and kidney damage. Systemically, it produces anesthesia, vomiting, chills, cramps and lethargy. The LD50 oral-rate is 14,500 mg/kg (insignificantly toxic). It reportedly irritates the eyes and skin and the respiratory tract; however, it also affects the

blood. All routes of exposures can produce an intense garlic-like taste and breath odor. Eyes: A 7.5% solution can cause irritation and burning. Inhalation: Exposure to high concentrations of DMSO can cause some sedation and lowering of consciousness. Animal studies indicate that exposures of 900 ppm for 24 hours produced no ill effects. Skin: A 10% solution applied for 14 consecutive days produced some sedation, headache, nausea and dizziness along with such skin effects as irritation, drying and scaling. Contact with a 70 - 90% solution has resulted in immediate stinging and burning. DMSO is very readily absorbed through the skin and may increase the absorption of other substances dissolved in it or on the surface of the skin. Ingestion: No human data available. Animal studies indicate that symptoms from swallowing DMSO include throat and stomach irritation, vomiting and sedation.

Long Term Exposure: The liquid defats the skin. This chemical can break down red blood cells, and cause anemia; effects the hematopoietic system, resulting in blood disorders. It can also damage the liver and kidneys. Repeated or prolonged contact with skin may cause irritation and dermatitis. DMSO may affect the liver, resulting in impaired function.

Carcinogenicity: The following chemicals comprise 0.1% or more of this mixture and are listed and/or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA, or ACGIH.

Section 3 – Composition / Information on Ingredients

Chemical Name / CAS No	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Diethylene glycol monobutyl ether 112-34-5 50.06 percent			35 ppm- TWA
Dimethyl Sulfoxide 67-68-5 41.79 percent			No standards set.
Silicon Dioxide 112945-52-5 7.13 percent	TLV = 10 mg/m ³ total dust	TLV = 10 mg/m ³ total dust	
n-Butoxyethanol 111-76-2 1.02 percent	The Federal OSHA standard 50 ppm (240 mg/m ³) TWA averaged over an 8-hour shift.	The ACGIH limit is 25 ppm (121 mg/m ³) TWA averaged over an 8-hour shift.	The NIOSH recommended airborne limit is 5 ppm (24 mg/m ³) TWA averaged over a 10-hour shift. They add the notation "skin" indicating the possibility of cutaneous absorption. The NIOSH IDLH level is 700 ppm.

Section 4 – First Aid Measures

Inhalation: Move person to fresh air. If breathing has stopped, administer artificial respiration. Seek medical attention!

Eye Contact: In case of eye contact, flush the eyes with water for fifteen (15) minutes. If contact lenses are worn, quickly remove them, then flush the eyes with water. Have a physician examine the eyes.

Skin Contact: In case of skin contact, remove contaminated clothing. Flush the skin with large amounts of water, then wash the skin with soap and water.

Ingestion: Do not induce vomiting. This may cause chemical pneumonitis and pulmonary edema. If vomiting occurs spontaneously, keep the head below the hips to prevent aspiration of liquid into the lungs. Seek immediate medical attention.

Section 5 – Fire Fighting Methods

Flash Point: 89°C (192°F)

Auto-ignition:

LEL: 0.9%

UEL: 42.0%

Extinguishing Media: Use carbon dioxide (CO₂), foam, dry chemical, or water spray/water fog extinguishing system.

Unusual Fire and Explosion Hazards: Vapors may travel considerable distance by air and become ignited by ignition sources.

Hazardous Combustion Products: Oxides of carbon.

Fire Fighting Instructions: Full protective equipment including self-contained breathing apparatus should be used.

Fire Equipment: Water spray may not be effective; use fog nozzles.

Section 6 – Accidental Release Measures

Spill and Leak Procedure: Eliminate all ignition sources. Ventilate the area. Use appropriate respirator and protective clothing.

Small Spills: Contain spill areas with dikes. Recover spilled material into containers. Absorb remainder with absorbent material.

Large Spills: If small spill measures do not contain the spill, notify local authorities and/or the fire department.

Section 7 – Handling and Storage

Handling: Avoid prolonged breathing or contact with product. Keep containers closed when not in use. Do not cut, drill, grind, or weld near containers even when empty. Use non-sparking tools when working around this material.

Storage Requirements: Keep containers closed when not in use. Keep away from excessive heat, open flames, or sparks.

Regulatory Requirements: Consult national, state and local environmental laws.

Section 8 – Exposure Controls / Personal Protection

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112-34-5			35 ppm- TWA
67-68-5			No standards set.
112945-52-5	TLV = 10 mg/m ³ total dust	TLV = 10 mg/m ³ total dust	
111-76-2	The Federal OSHA standard 50 ppm (240 mg/m ³) TWA averaged over an 8-hour shift.	The ACGIH limit is 25 ppm (121 mg/m ³) TWA averaged over an 8-hour shift.	The NIOSH recommended airborne limit is 5 ppm (24 mg/m ³) TWA averaged over a 10-hour shift. They add the notation "skin" indicating the possibility of cutaneous absorption. The NIOSH IDLH level is 700 ppm.

Ventilation: Exhaust as required to keep exposure below Threshold Limit Values.

Protective Gear: If ventilation equipment cannot control exposures below the TLV's, wear a properly fitted organic/particulate NIOSH/MSHA-approved respirator. Wear rubber or neoprene protective gloves for repeated or prolonged skin contact. Wear safety glasses or face shield for eye protection.

Section 9 – Physical and Chemical Properties

Appearance	Viscous liquid dispersion
Odor	
Physical State	Liquid
Vapor Density	Heavier than air
Vapor Pressure	0.032 mm Hg @20C
Evaporation Rate	Slower than ether
Boiling Range	171 to 234 °C
% Volume Volatile (VOC)	96.59
Specific Gravity (SG)	1.054
Formula Lb / Gal	8.78
Lbs VOC /Gallon Solids	239.30
Lbs/Gal VOC Less Exempt Less Water	8.15

Section 10 – Stability and Reactivity

Stability: Stable.

Incompatibility: Heat or flames, strong acids or bases.

Hazardous Decomposition: Oxides of carbon and nitrogen.

Hazardous polymerization will not occur.

Section 11 – Toxicological Information

Diethylene glycol monobutyl ether

Dimethyl Sulfoxide

Silicon Dioxide

LC 50:

LD 50:

n-Butoxyethanol

LC 50:

LD50:

Section 12 – Ecological Information

Ecotoxicity: Protect environment from spills and releases.

Section 13 – Disposal Considerations

Disposal: As the US EPA, state, local or other regulatory agency may have jurisdiction over the disposal of your facility's waste, it is incumbent on you to learn and satisfy all the regulations which affect you. Dispose of in accordance to government regulations. Destroy by liquid incineration by certified environmental service group.

Section 14 – Transport Information

Protect from freezing.

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Paint <119 gallon per single pkg	UN-1263	II	Not regulated

Section 15 – Regulatory Information

Additional regulatory listings where applicable.

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>



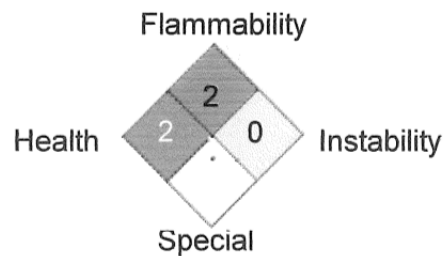
Toxic Substances Control Act (TSCA): All chemicals except those listed below appear in the Toxic Substances Control Act Chemical Substance Inventory.

Section 16 – Other Information

Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

HEALTH	<input type="text" value="2"/>	HMIS & NFPA Hazard Rating Legend * = Chronic Health Hazard 0 = INSIGNIFICANT 1 = SLIGHT 2 = MODERATE 3 = HIGH
FLAMMABILITY	<input type="text" value="2"/>	
PHYSICAL HAZARD	<input type="text" value="0"/>	
PERSONAL PROTECTION	<input type="text"/>	



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