

STAPLES CONTRACT & COMMERCIAL, INC.
500 Staples Drive
Framingham, MA 01702 USA
Business Phone: 1-888-322-0912
24-HR MEDICAL AND DOT EMERGENCIES: 1-888-322-0912

MSDS #: SEB9900

Hazard Rating	HMIS	NFPA
Health	1	1
Flammability	0	0
Physical Hazards	0	-
Reactivity	-	0
Special	None	None

MATERIAL SAFETY DATA SHEET

Complies with ANSI Z400.1 Format

SECTION 1: PRODUCT IDENTIFICATION

Product: 99 GRAFFITI REMOVER by Sustainable Earth By Staples®

This MSDS applies to Manufacturer Item Numbers: SEB990032-A and SEB99032

MSDS CODE: SEB9900.0313

Prepared by: Regulatory Specialist, Staples Brand Group, (508) 253-5000

GENERIC DESCRIPTION	DATE ISSUED	SUPERSEDES
Graffiti Remover	03-14-2013	01-12-2011

SECTION 2: HAZARDS IDENTIFICATION

Emergency overview: Eye and skin irritant.

Potential short term health effects:

Routes of exposure: Eye, skin contact, inhalation, and ingestion

Eyes: May cause severe eye irritation with corneal injury.

Skin: May cause irritation.

Inhalation: May cause respiratory tract irritation.

Ingestion: May cause stomach distress, nausea or vomiting.

Target organs: Eyes, skin and respiratory system.

Chronic effects: Prolonged or repeated exposure can cause drying or dermatitis of the skin, conjunctivitis or burning eyes, or irritation of the respiratory system.

Signs and symptoms: Symptoms may include redness, edema, drying defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	% by Wt.	LC ₅₀	LD ₅₀ (oral)
4-Methyl-1,3-dioxolan-2-one	108-32-7	15-40	Not available	>20 ml/kg, rabbit
3-Methyl- 3-methoxy butanol	56539-66-3	10-30	Not available	Not available
N-(2-Aminoethyl)ethane-1,2-diamine	1119-40-0	10-30	1,000 ppm, rat 4hr	50 mg/kg, rat
1,6-Dimethyl hexanedioate	627-93-0	5-10	>10.7 mg/l, rat	>500 mg/kg, rat
Dimethyl butanedioate	106-65-0	5-10	Not available	Not available
2-(2-Methoxypropoxy)propan-1-ol	34590-94-8	3-7	Not available	5,400 mg/kg, rat
Ethoxylated alcohols C12-15	68131-39-5	1-5	Not available	Not available

Balance is water and similar non-hazardous ingredients. No fragrance or dye added.

SECTION 4: FIRST AID MEASURES

Emergency First Aid Procedures

Eyes: Immediately flush eyes with water for at least 15 minutes while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. If irritation occurs and persists, seek medical advice.

Skin: Flush immediately with plenty of water for at least 15 minutes. If irritation occurs and persists, seek prompt medical advice.

Inhalation: If symptoms develop, move victim to fresh air and seek medical advice.

Ingestion: Rinse mouth with plenty of water and seek medical attention. Do not induce vomiting and do not give anything by mouth to an unconscious or convulsing person.

SECTION 5: FIRE FIGHTING MEASURES

Flammable properties: Not flammable by WHMIS/OSHA criteria. **Flash Point:** None

Extinguishing Media: Use standard fire fighting measures to extinguish fires involving this material (water spray, dry chemicals or foam). **Special Fire Fighting Procedures:** Firefighters should wear full protective clothing including self contained breathing apparatus. **Unusual Fire and Explosion Hazards:** Combustion products may include and are not limited to: Oxides of carbon.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Containment and Clean up: Floor may become slippery. Stop leak if you can do so without risk. Small spills may be absorbed with non-reactive absorbent. Rinse area with water. Recover liquid with wet mop or vacuum. Keep spill out of sewers and waterways. Follow good industrial hygiene practices. Wash thoroughly after handling.

SECTION 7: HANDLING AND STORAGE

Avoid contact with eyes and skin. Use only with adequate ventilation. Wash thoroughly after handling. Follow good industrial hygiene practices. Do not eat or drink while handling. Store in original container away from incompatible materials. Avoid high temperatures. Keep out of reach of children.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits:

Ingredient

3-Methyl- 3-methoxy butanol #56539-66-3

2-(2-Methoxypropoxy)propan-1-ol #34590-94-8

ACGIH-TLV

STEL: 3 ppm

TWA: 100 ppm

TEL: 150 ppm

Skin: 100 ppm

OSHA-PEL

TWA: 25 ppm

TWA: 100 ppm

Engineering Controls:

General ventilation normally adequate.

Respiratory Protection:

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

Eye Protection:

Wear safety goggles.

Protective Gloves:

Wear chemical resistant gloves.

Other Protective Measures:

Use good personal hygiene practices. Wash hands after handling.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor: Clear liquid/Ester odor	Specific Gravity: 1.060
Odor threshold: Not available	Vapor Pressure: Not available
pH: Not applicable	Vapor Density: Not available
Boiling Point: >212 °F (>100 °C)	Freezing Point: Not available
Solubility in Water: Soluble	Evaporation Rate: Not available
V.O.C. Content (by weight): <30% (<300 g/L)	Coefficient of water/oil distribution: Not available

This product is compliant with California Air Resources Board (CARB) regulations on Volatile Organic Compounds (VOC).

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to Avoid: Avoid high temperatures. Do not mix with other chemicals.

Incompatibility: Acids, oxidizers and caustics.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: May include and are not limited to: oxides of carbon.

SECTION 11: TOXICOLOGICAL INFORMATION

Effects of acute exposure:

Eyes: May cause severe eye irritation with corneal injury.

Skin: May cause skin irritation.

Inhalation: May cause respiratory tract irritation.

Ingestion: May cause stomach distress, nausea or vomiting.

Chronic effects:

Prolonged or repeated exposure can cause drying or dermatitis of the skin, conjunctivitis or burning eyes, or irritation of the respiratory system.

Sensitization: Non-hazardous by WHMIS/OSHA criteria.

Mutagenicity: Non-hazardous by WHMIS/OSHA criteria.

Carcinogenicity: 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

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity – Acute Toxicity Data:

Freshwater Fish

Ethoxylated alcohols C12-15 #68131-39-5

96 Hr LC₅₀ Rainbow Trout: 70.7 mg/L

2-(2-Methoxypropoxy)propan-1-ol #34590-94-8

96 Hr LC₅₀ Pimephales promelas: >10,000 mg/L [static]

Mixture of:

N-(2-Aminoethyl)ethane-1,2-diamine,

Dimethyl butanedioate, and

1,6-Dimethyl hexanedioate

96 Hr LC₅₀ Fathead minnow: 18-24 mg/L

Water Flea

2-(2-Methoxypropoxy)propan-1-ol #34590-94-8 48 Hr LC₅₀ Daphnia magna: 1,919 mg/L

Mixture of:

N-(2-Aminoethyl)ethane-1,2-diamine #1119-40-0

Dimethyl butanedioate # 106-65-0, and

1,6-Dimethyl hexanedioate #627-93-0 48 Hr LC₅₀ Daphnia magna: 112-150 mg/L

Persistence/degradability: Not available

Bioaccumulation/accumulation: Not available

Mobility in environmental media: Not available

Environmental effects: Not available

Aquatic toxicity: Not available

Partition coefficient: Not available

Chemical fate information: Not available

Other adverse effects: Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Information: Dispose of in compliance with all applicable regulations.

SECTION 14: TRANSPORT INFORMATION

24-Hr Emergency Phone: 1-888-322-0912

Shipping Name: Compound, Cleaning Liquid

U.S. DOT: Not regulated as dangerous goods.

CANADA TDG: Not regulated as dangerous goods.

SECTION 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.

WHMIS Ingredient Disclosure List:

4-Methyl-1,3-dioxolan-2-one #108-32-7 1%

2-(2-Methoxypropoxy)propan-1-ol #34590-94-8 1%

WHMIS Status: Controlled

WHMIS Classification: Class D – Division 2B

WHMIS Labeling:



US FEDERAL REGULATIONS

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

California Proposition 65: This product does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Ingredient	CAS#	State Right-to-Know	SARA EHS Sec. 302 TPQ(lbs)	SARA EHS Sec. 304 RQ(lbs)	CERCLA RQ (lbs)
2-(2-Methoxypropoxy)propan-1-ol	34590-94-8	CA, MA, MN, NJ, PA, RI	N/A	N/A	N/A

N/A = Not Applicable

SARA 311/312 Hazard Categories:

Immediate/Acute: Yes

Delayed/Chronic: No Fire: No

Pressure: No

Reactivity: No

SARA Section 313 Toxic Chemicals: None

Subject to SARA Section 302 Extremely Hazardous Substance: No

Inventories

On Inventory (yes/no)*

Canada's Domestic Substances List (DSL)

Yes

Canada's Non-Domestic Substances List (NDSL)

No

United States' Toxic Substances Control Act (TSCA)

Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements.

SECTION 16: OTHER INFORMATION

This product has been formulated in partnership with EPA Design for the Environment (DfE) Formulator Initiative and is recognized for safer chemistry. These products contain ingredients with more positive health and environmental characteristics than conventional cleaners. Visit www.epa.gov/dfe for more information.

Always follow label directions carefully when using this or any other chemical product. If information about this product is required, please contact Staples at 1-888-322-0912 or visit our website at www.staples.com. Keep MSD Sheets filed and organized in an area accessible to workers according to all applicable regulations.

This MSDS was prepared for the sole purpose of compliance with the U.S. Occupational Safety and Hazard Administration's Hazard Communication Standard and Canada's Controlled Product Regulations and that is its only intended use. All information contained in this MSDS is provided to the best of Staples Contract & Commercial, Inc's knowledge. No warranty is made with respect to this information, expressed or implied, including warranties of merchantability or fitness for a particular purpose. Users are responsible for verifying the information under their own operating conditions to determine whether the products listed in the MSDS are suitable for their intended use. Users are responsible for compliance with all laws and regulations as may be required by their receipt of the information and use of the products provided with this MSDS.