

SAFETY DATA SHEET

Date Prepared : 12/17/2014

SDS No : E16

Date Revised : 09/23/2015

Revision No : 1

elements Bio Gel Graffiti Remover

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: elements Bio Gel Graffiti Remover
GENERAL USE: Removes graffiti from multiple substrates.
PRODUCT DESCRIPTION: Clinging Bio Gel Based Graffiti Remover
PRODUCT CODE: E16
CHEMICAL FAMILY: Solvent/detergent blend

MANUFACTURER

MISCO Products Corporation
1048 Stinson Drive
Reading, PA 19605

Emergency Phone: 610-926-4106

Customer Service: 800-548-4568

Transportation: 800-548-4568

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEM-TEL (Medical and Transportation): 800-255-3924

POISON CONTROL CENTER (Medical): 800-222-1222

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Skin Irritation, Category 2
Eye Corrosion, Category 1
Acute Toxicity (Inhalation), Category 4
Acute Toxicity (Oral), Category 4

GHS LABEL



Corrosion



Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H318: Causes serious eye damage.
H315: Causes skin irritation.
H302: Harmful if swallowed.
H332: Harmful if inhaled.

PRECAUTIONARY STATEMENT(S)

Prevention:

P233: Keep container tightly closed.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P264: Wash hands thoroughly after handling.
P261: Avoid breathing fume, gas, mist, vapors, or spray.
P271: Use only outdoors or in a well-ventilated area.
P270: Do not eat, drink or smoke when using this product.

Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P302+P352: IF ON SKIN: Wash with plenty of soap and water

P332+P313: If skin irritation occurs: Get medical advice/attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312: Call a POISON CENTER or doctor/physician if you feel unwell.

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal:

P501: Dispose of contents/container according to all local, state and Federal regulations.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Amber liquid

IMMEDIATE CONCERNS: Causes irreversible eye damage and skin burns.

POTENTIAL HEALTH EFFECTS

EYES: Corrosive, contact causes severe eye burns.

SKIN: Contact may cause moderate to severe irritation.

SKIN ABSORPTION: Not Established

INGESTION: Harmful if swallowed.

INHALATION: Vapors are irritating to respiratory tract.

REPRODUCTIVE TOXICITY

REPRODUCTIVE EFFECTS: No known significant effects or critical hazards.

TERATOGENIC EFFECTS: No known significant effects or critical hazards.

CARCINOGENICITY: No listed substance

MUTAGENICITY: No known significant effects or critical hazards.

ROUTES OF ENTRY: Eye, skin, ingestion, Inhalation.

TARGET ORGAN STATEMENT: Respiratory tract.

CANCER STATEMENT: None

SENSITIZATION: Not Established

WARNING CAUTION LABELS: Irritant

PHYSICAL HAZARDS: Combustible material.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Benzyl Alcohol	25 - 30	100-51-6
Methyl Ether, soybean oil	50 - 60	67784-80-9
Ethoxylate Alcohol C9-11	0 - 5	68439-46-3
Primary Alcohol Ethoxylate C11	0 - 5	34398-01-1
Propylene Glycol Phenyl Ether	5 - 10	770-35-4
d-Limonene	1 - 5	5989-27-5

4. FIRST AID MEASURES

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. Seek medical attention immediately.

SKIN: Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Severe burning sensation, damage marked by burns.

SKIN: Burning sensation, redness.

SKIN ABSORPTION: Not Established

INGESTION: Irritation of mouth, throat, along with stomach upset, vomiting.

INHALATION: Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

ACUTE TOXICITY: Corrosive to eyes. Causes moderate to severe skin irritation. Harmful if inhaled.

CHRONIC EFFECTS: Not Established

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: IIIB (>200F)

GENERAL HAZARD: Combustible Liquid

EXTINGUISHING MEDIA: Use Dry chemical, carbon dioxide, or water spray when fighting fires involving this material.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide from combustion

EXPLOSION HAZARDS: Fire exposed containers may burst due to increased pressure from heat.

FIRE FIGHTING PROCEDURES: Use an extinguishing agent suitable for surrounding fire.

FIRE FIGHTING EQUIPMENT: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.

HAZARDOUS DECOMPOSITION PRODUCTS: Not Established

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.

LARGE SPILL: Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Avoid discharges into open waterways.

LAND SPILL: Avoid discharge to soil.

AIR SPILL: NA = Not Applicable

GENERAL PROCEDURES: Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

RELEASE NOTES: Eliminate all ignition sources. Ventilate area well.

SPECIAL PROTECTIVE EQUIPMENT: Eye protection, rubber gloves, rubber boots to protect feet.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Close container after use.

HANDLING: Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

STORAGE: Store in closed container away from heat, spark or open flame.

STORAGE TEMPERATURE: (40°F) Minimum to (110°F) Maximum

STORAGE PRESSURE: Store at ambient atmospheric pressure.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Benzyl Alcohol	TWA					10 ppm ^[1]	[1]
d-Limonene	TWA	[2]	[2]	[2]	[2]	30	

Footnotes:
 1. USA. Workplace Environmental Exposure levels (WEEL)
 2. Not Established

ENGINEERING CONTROLS: Provide mechanical ventilation when used in confined areas, or areas with poor ventilation.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Chemical splash goggles and full face-shield.

SKIN: Rubber or other chemical resistant gloves.

RESPIRATORY: A respirator is not needed under normal and intended conditions of product use.

PROTECTIVE CLOTHING: No special requirements.

WORK HYGIENIC PRACTICES: Wash with soap and water after handling. Do not eat, drink or smoke while using product.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: High viscosity gel

ODOR: Solvent, characteristic

ODOR THRESHOLD: Not Established

COLOR: Light yellow

pH: NA = Not Applicable

PERCENT VOLATILE: <10

FLASH POINT AND METHOD: >100C (212F)

FLAMMABLE LIMITS: Not Available

AUTOIGNITION TEMPERATURE: NA = Not Applicable

VAPOR PRESSURE: Not Established

VAPOR DENSITY: > 1 Air = 1

BOILING POINT: Not Established

FREEZING POINT: Not Established

MELTING POINT: NA = Not Applicable

THERMAL DECOMPOSITION: Not Available

SOLUBILITY IN WATER: Dispersable

EVAPORATION RATE: (Water =1) <1.0

DENSITY: ~ 8.115 at 20°C (68°F)

SPECIFIC GRAVITY: ~ 0.973 grams/ml. at 20°C (68°F)

VISCOSITY: Thick ringing gel

(VOC): 1.300 % by weight

10. STABILITY AND REACTIVITY

REACTIVITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur.

STABILITY: Stable under normal storage and use conditions.

CONDITIONS TO AVOID: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

INCOMPATIBLE MATERIALS: Strong acids, oxidizers.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Benzyl Alcohol	1230	2000	1000
Ethoxylate Alcohol C9-11	1400 mg/kg (rat)	> 5000 mg/kg (rat)	No data available
Primary Alcohol Ethoxylate C11	> 2000 mg/kg (rat)	> 2000 mg/kg (rabbit)	
Propylene Glycol Phenyl Ether	2830 to 3730 mg/kg (rat)	> 2000 mg/kg (rabbit)	
d-Limonene	4400 mg/kg (rat)	5000 mg/kg (rabbit)	

EYES: Corrosive

DERMAL LD₅₀: Not Established

SKIN ABSORPTION: Not Established

ORAL LD₅₀: Not Established

INHALATION LC₅₀: Not Established

EYE EFFECTS: Corrosive to eyes. Permanent damage may occur.

SKIN EFFECTS: Moderate to severe skin irritant.

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
d-Limonene	No listed substance	Group 3 - Not classifiable as to its carcinogenicity to Humans	No listed substance

IARC: No listed substance

IRRITATION: Irritant

CORROSIVITY: Corrosive

SENSITIZATION: No products were found.

NEUROTOXICITY: Not Established

GENETIC EFFECTS: No known significant effects or critical hazards.

REPRODUCTIVE EFFECTS: No known significant effects or critical hazards.

TARGET ORGANS: Vapors may harm respiratory tract.

MUTAGENICITY: No known significant effects or critical hazards.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Established
ECOTOXICOLOGICAL INFORMATION: Not Established
BIOACCUMULATION/ACCUMULATION: Not Established
AQUATIC TOXICITY (ACUTE): Not Established
CHEMICAL FATE INFORMATION: Not Established

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. Small amounts (less than 1 gallon) may be diluted with copious amounts of water and disposed of into sanitary sewer.
FOR LARGE SPILLS: Consult with local and state authorities for large volume disposal.
PRODUCT DISPOSAL: Any method in accordance with local, state, and federal laws. Best method is to recycle or reuse for intended purpose.
EMPTY CONTAINER: Rinse container with clear water. Offer container for recycling, or dispose of in trash.
RCRA/EPA WASTE INFORMATION: NA = Not Applicable

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME: Cleaning Compound, not regulated (for US domestic shipment only)
PLACARDS: No special requirements.
LABEL: None
SPECIAL SHIPPING NOTES: None
AIR (ICAO/IATA)
SHIPPING NAME: Contact manufacturer for more information.
VESSEL (IMO/IMDG)
SHIPPING NAME: Contact manufacturer for more information.

15. REGULATORY INFORMATION

UNITED STATES
DOT LABEL SYMBOL AND HAZARD CLASSIFICATION
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
311/312 HAZARD CATEGORIES: Health - Acute
FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No
313 REPORTABLE INGREDIENTS: No listed substance
302/304 EMERGENCY PLANNING
EMERGENCY PLAN: No listed substance
TSCA (TOXIC SUBSTANCE CONTROL ACT)
TSCA REGULATORY: All ingredients are listed on the TSCA Chemical Inventory.

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Benzyl Alcohol	Massachusetts Right to Know Substance Pennsylvania Right to Know Substance New Jersey Right To Know Substance
d-Limonene	Pennsylvania Right to Know Substance New Jersey Right To Know Substance

CALIFORNIA PROPOSITION 65: None

CARCINOGEN: No listed substance

16. OTHER INFORMATION

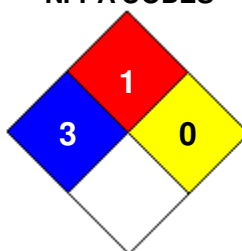
PREPARED BY: Regulatory Affairs Department **Date Revised:** 09/23/2015

REVISION SUMMARY: This SDS replaces the 12/18/2014 SDS. Revised: **Section 2:** CANCER STATEMENT, CARCINOGENICITY, MUTAGENICITY, POTENTIAL HEALTH EFFECTS - SKIN ABSORPTION REPRODUCTIVE EFFECTS, SENSITIZATION, TARGET ORGAN STATEMENT, TERATOGENIC EFFECTS, WARNING CAUTION LABELS. **Section 3:** Wt.%. **Section 4:** SIGNS AND SYMPTOMS OF OVEREXPOSURE - SKIN ABSORPTION. **Section 5:** FLAMMABLE CLASS. **Section 8:** PERSONAL PROTECTIVE EQUIPMENT - PROTECTIVE CLOTHING. **Section 9:** COLOR, DENSITY, FLAMMABLE LIMITS, FLASH POINT AND METHOD, PERCENT VOLATILE, SPECIFIC GRAVITY, (VOC). **Section 10:** STABLE. **Section 11:** SKIN EFFECTS. **Section 12:** CHEMICAL FATE INFORMATION, BIOACCUMULATION/ACCUMULATION, AQUATIC TOXICITY (ACUTE) (96-HOUR EC₅₀, Notes). **Section 13:** DISPOSAL METHOD, RCRA/EPA WASTE INFORMATION, RCRA HAZARD CLASS. **Section 15:** CARCINOGEN, CHRONIC, FIRE, 311/312 HAZARD CATEGORIES, CALIFORNIA PROPOSITION 65. **Section 16:** HMIS RATING (PERSONAL PROTECTION), NFPA CODES - FLAMMABILITY.

HMIS RATING

HEALTH		3
FLAMMABILITY		1
PHYSICAL HAZARD		0
PERSONAL PROTECTION	D	

NFPA CODES



ADDITIONAL SDS INFORMATION: Rev1.1.0

MANUFACTURER DISCLAIMER: This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.