

SAFETY DATA SHEET

Date Prepared : 12/17/2014

SDS No : E16

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

Target Organ Toxicity (Single exposure), Category 3, Respiratory tract irritation

Carcinogenicity, Category 2

Physical:

Flammable Liquids, Category 3

GHS LABEL



Corrosion



Health hazard



Flame



Exclamation mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H318: Causes serious eye damage.

H315: Causes skin irritation.

H335: May cause respiratory irritation.

H351: Suspected of causing cancer [dermal contact].

PRECAUTIONARY STATEMENT(S)

Prevention:

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

P233: Keep container tightly closed.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P264: Wash thoroughly after handling.

P261: Avoid breathing mist/vapours/spray.

P271: Use only outdoors or in a well-ventilated area.

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: Take off contaminated clothing and wash before reuse.

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

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

P370+P378: In case of fire: Use dry chemical, alcohol-resistant foam for extinction.

Storage:

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

P210: Keep away from heat/sparks/open flames/hot surfaces. – No smoking.

Disposal:

P501: Dispose of contents/container in accordance with 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: Harmful if absorbed through skin.

INGESTION: Harmful if swallowed.

INHALATION: Vapors are irritating to respiratory tract.

REPRODUCTIVE TOXICITY

TERATOGENIC EFFECTS: No listed substance

CARCINOGENICITY: Contains an ingredient listed under IARC Group 2B status.

MUTAGENICITY: No listed substance

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

TARGET ORGAN STATEMENT: Blood, kidney, liver, Central nervous system

CANCER STATEMENT: WARNING: This product contains a chemical known to the State of California to cause cancer.

WARNING CAUTION LABELS: Corrosive

PHYSICAL HAZARDS: Combustible material.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Methyl Ether, soybean oil	50 - 55	67784-80-9
ethyl 2-hydroxypropionate, Ethyl-(S)-Lactate	25 - 30	97-64-3
Cocamide DEA	0 - 2	8051-30-7
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

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.

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: II (100-140F)

GENERAL HAZARD: Combustible Liquid

EXTINGUISHING MEDIA: Use alcohol foam, 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

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.

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: Amber

pH: NA = Not Applicable

PERCENT VOLATILE: <30

FLASH POINT AND METHOD: 46°C (115°F) Tag Closed Cup (TCC)

FLAMMABLE LIMITS: 1.5 to 11.4

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: Dispersible

EVAPORATION RATE: (Water =1) <1.0

DENSITY: 7.90 at 20°C (68°F)

SPECIFIC GRAVITY: ~ 0.947 grams/ml.

VISCOSITY: Thick ringing gel

(VOC): 27.120 % by weight

10. STABILITY AND REACTIVITY

REACTIVITY: Yes

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)
ethyl 2-hydroxypropionate, Ethyl-(S)-Lactate	8200 mg/kg (rat)	> 5000 mg/kg (rabbit)	No data available
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)	

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: Severe skin irritant. May cause burns to skin.

CARCINOGENICITY

Chemical Name	IARC Status
Cocamide DEA	Group 2B - Limited evidence of carcinogenicity in humans.

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

AQUATIC TOXICITY (ACUTE): Not Established

96-HOUR LC₅₀: Not Established

96-HOUR EC₅₀: Not Established

Notes: Practically nontoxic

CHEMICAL FATE INFORMATION: This product is biodegradable.

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. If discarded, this material and its containers should be treated as hazardous waste based on the

characteristics of ignitibility as defined under federal RCRA regulations (40 CFR 261). Consult local authorities for disposal into public 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: Hazardous Waste

RCRA HAZARD CLASS: Ignitability

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Cleaning Compound, not regulated (for US domestic shipment only)

PLACARDS: No special requirements.

LABEL: Certain package sizes determine the proper labeling of containers. Consult manufacturer for specific information regarding proper labeling.

OTHER SHIPPING INFORMATION: Certain shipping modes and packaging sizes may have exceptions from the transport regulations. The classifications/information provided above may not reflect applicable exceptions. Contact the manufacturer for more specific information on the proper shipping of this material.

SPECIAL SHIPPING NOTES: Quantities less than or equal to one (1) gallon = Limited Quantity not regulated.

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 Hazard - Acute; Fire Hazard

FIRE: Yes **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** Yes

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.

CALIFORNIA PROPOSITION 65: WARNING: This product contains a chemical known to the State of California to cause cancer.

Chemical Name	Wt.%	Listed
Cocamide DEA	0 - 2	Cancer

CARCINOGEN: Contains an ingredient listed under IARC Group 2B.

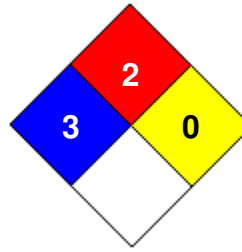
16. OTHER INFORMATION

PREPARED BY: Regulatory Affairs Department **Date Prepared:** 12/17/2014

HMIS RATING

HEALTH	3
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

NFPA CODES



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