



SAFETY DATA SHEET (SDS)

Date Revised : 01 / 15
Supersedes : 07 / 13

**E-LEK-TRO
FLOOR SEALER / FINISH
STEP # 3**

**EXTRA - DURABLE
ZINC - FREE / STYRENE - FREE
RETAINS TOTAL CLARITY
MINIMIZES STRIPPING CYCLES**

SECTION 1 : IDENTIFICATION OF SUBSTANCE / COMPANY

PRODUCT NAME / IDENTIFIER :	" E-LEK-TRO Floor Sealer Finish " – STEP # 3
PRIMARY APPLICATION / RECOMMENDED USAGE :	A resilient and hard floor coating with self-sealing crystal clear clarity and outstanding U.V. resistance. Creates a durable adhesion and bonding to the base floor Retains TOTAL CLARITY without " yellowing ", " darkening ", or "discoloration " . Use of this product dramatically lowers stripping and re-coating cycles which creates real time – savings .
DISTRIBUTED EXCLUSIVELY BY :	HEALTHY CLEAN BUILDINGS 4 Wilmington Drive Melville, New York 11747
INFORMATION TELEPHONE :	1-631-643-1882
EMERGENCY TELEPHONE :	1-631-377-7772
USAGE RESTRICTIONS :	Refer to Product Label

SECTION 2 : HAZARD(S) IDENTIFICATION

This Floor Sealer/Finish is a resilient and hard floor coating with self-sealing crystal clear clarity and outstanding U.V. resistance which utilizes an environmentally – conscious polymer technology . Meets or exceeds 0.5 -0.8 industry standard for slip resistance (ASTM D-2047-93) .

Classification of the substance or mixture

(GHS-US)

Not Classified

Label Elements

Hazard Pictograms

(GHS-US Labeling)



Mild Skin & Eye Irritant

Signal Word :

Warning

Hazard Statements :

H303 : May Be Harmful If Swallowed .

H316 : May Cause Mild Skin Irritation .

H320 : May Cause Mild Eye Irritation .

Precautionary Statements :

P101 : If medical advice is required, have product container or label available .

P102 Keep Out of Reach of Children

P103 . Read Label Before Use .



**E-LEK-TRO
FLOOR SEALER / FINISH
STEP # 3**

**EXTRA - DURABLE
ZINC-FREE / STYRENE - FREE
RETAINS TOTAL CLARITY
MINIMIZES STRIPPING CYCLES**

PRECAUTIONARY STATEMENTS (continued)

P264 : In the Event of Direct Contact , Wash Hands and Forearms Thoroughly After Handling
 P305+P351+P338 – If In Eyes via Direct Contact , Rinse Cautiously with Water for Several Minutes .
 If Easy To Do, Remove Contact Lenses .Continue Rinsing
 P337+P313 – If Eye Irritation Persists , Get Medical Advice / Attention .

INGREDIENT (S) :	CAS # :	WEIGHT % :	TLV :	PEL (TWA) :	STEL :
*Ammonium Hydroxide	1336-21-6	1 (maximum)	25 ppm	50 ppm	35 ppm
*Acute (Immediate) Inhalation Hazard					
MAY CONTAIN ONE OR MORE OF THE FOLLOWING :					
**Glycol Ether DE (SARA 313)	111-90-0	10 (maximum)	NE	NE	NE
Glycol Ether TPM	25498-49-1	10 (maximum)	NE	NE	NE
Glycol Ether DPM	34590-94-8	10 (maximum)	NE	100 ppm	150 ppm

Other Hazards : (*) Ammonium Hydroxide In Direct Concentrate : Acute (Immediate) Inhalation Hazard
Ingredients with Unknown Acute Toxicity : No Data Available

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS :

Chemical characterization : Mixture

Hazardous Components : Any hazards associated with this finished product are listed in SECTION 2 of this SDS .The percentages of ingredients in this product have been approximated as trade secrets .

INGREDIENTS :	CAS # :	APPROXIMATED WEIGHT % :	SARA - 313
Acrylate CoPolymer	25133-97-5	25 (maximum)	NA
Glycol Ether Coalescent	770-35-4	10 (maximum)	Listed – Section III
Hydrocarbon Wax Emulsion	8002-74-2	8 (maximum)	Listed – Section III
Tri (butoxyethyl) Phosphate	78-51-3	3 (maximum)	NA
Water	7732-18-5	64 (minimum)	NA

NOTE : Approximate percentages – Percentages are approximated as trade secrets 1



**E-LEK-TRO
FLOOR SEALER / FINISH
STEP # 3**

**EXTRA - DURABLE
ZINC-FREE / STYRENE - FREE
RETAINS TOTAL CLARITY**

SECTION 4 : FIRST AID MEASURES

Description of Necessary Measures :

Relevant Routes of Exposure : Skin Contact , Eye Contact , Ingestion

After Skin Contact : Wash with plenty of mild soap and water ; followed by a warm water rinse . Apply a topical antiseptic agent to open wounds or broken skin . Remove contaminated clothing and shoes . Launder soiled , contaminated clothing before reuse . If skin irritation or rash persists, seek medical attention (P332+P313) .

After Eye Contact : Rinse cautiously with warm running water for 15 minutes . If easy to do, remove contact lenses .Continue water rinsing . (P 305+P351+P338) If eye irritation persists such as blinking , redness , or pain , seek medical attention . (P337 + P313) .

After Ingestion : Induce vomiting if patient is fully conscious . Continue to rinse mouth with water and drink 2-3 glasses of water .If adverse conditions persist , seek medical attention . Never give anything by mouth if victim is unconscious, rapidly losing consciousness , or is convulsing . Call a Poison Control Center / Doctor / Physician, if necessary (P312) .

After Inhalation : Supply fresh air . Keep individual at rest in a position comfortable for breathing .Consult a doctor if adverse conditions persist (P261) .

Note to Physicians : Treat symptomatically .

SECTION 5 : FIRE FIGHTING MEASURES :

Suitable Extinguishing Media : This product does not support combustion. Use fire extinguishing media appropriate for surrounding materials , such as Foam, Dry Powder, Carbon Dioxide, Water Spray, or Sand .

Unsuitable Extinguishing Media : Heavy Water Stream **Flashpoint (°F, °C , PMCC) : N/A** **Flammability :** Not Flammable (Aqueous Solution)

Specific Hazards Arising from the Chemical : Dried product is capable of burning . Combustion by-products may be toxic , although unlikely .

Hazardous Combustion Products : May include Carbon Monoxide , Carbon Dioxide , and other toxic gases or vapors .

Special Protective Equipment for Fire Fighters : **Do Not enter fire area without proper protective equipment .** Use protective equipment appropriate for firefighting surrounding materials . When necessary, wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear .

Precautions to Fire Fighters : Cool fire-exposed containers with water spray or fog , Exercise caution when fighting any chemical fire . Prevent fire fighting water from entering environment . Toxic gases may be released during decomposition at high temperatures .

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Environmental Precautions : Ventilate area . Avoid contact with skin, eyes, or clothing . Absorb excess product for disposal with inert solids (ie : sand, clay) as soon as possible . Flush remaining product from spill with water to clean up residue .Absorb slurry with an appropriate liquid-binding absorbent (ie : sand, diatomite , universal binders , sawdust) . Clean contaminated surfaces thoroughly . Store leaky container away from other materials . Make best efforts to prevent entry into sewers and public waters. This product should not be released into the environment without chemical treatment by flocculation / precipitation .Take extreme measures to prevent large quantities of undiluted concentrated product to reach ground water, water course, or sewage system .Dispose of material and container in accordance with local, state, national , and international regulations .

SECTION 7 : HANDLING & STORAGE REQUIREMENTS

FOR COMMERCIAL & INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

Precautions for Safe Handling : Read product literature, label , and SDS before use . Use product strictly according to label directions .

Wash hands and other exposed areas with soap and water before eating, drinking, smoking; or when leaving work . Provide adequate ventilation in storage area to prevent formation of fumes . Avoid personal contamination, especially inhalation , after a spill .

Hygiene Measures : Wash hands and forearms thoroughly after handling . Launder soiled, contaminated clothing before re-use .



**E-LEK-TRO
FLOOR SEALER / FINISH
STEP # 3**

**EXTRA - DURABLE
ZINC-FREE / STYRENE - FREE
RETAINS TOTAL CLARITY
MINIMIZES STRIPPING CYCLES**

HANDLING & STORAGE : (continued)

Safe Storage Conditions : Keep in original container in a cool , well-ventilated place away from open flames . Keep container closed when not in use. Avoid excessive heat as product may become liquid at temperatures above 115° F (46.1 °C) . Avoid freezing product as separation will occur .

Incompatible Products : Isolate from Disinfectants , High pH Alkalis , Low pH Acids, Strong Oxidizers may inactivate bacterial cultures .

Incompatible Circumstances : Sources of Ignition (ie ; open flames) . Direct sunlight . Keep from Freezing .

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Healthy & Safety Accreditation : Enviromentally Certified (pending)

Workplace Control Parameters : If work practices generate dust, fumes, gas, vapors, or mists which expose individuals to abnormal exposure above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered .

Engineering Controls : Adequate general ventilation

Personal Protective Equipment : When using this product as directed on the product label , no protective equipment is necessary . Take normal precautions when using any floor sealer / finish product .

Respiratory Protection : May not be required under normal conditions of use . Otherwise, use appropriate mask

Skin / Hand Protection : May not be required under normal conditions . Otherwise , wear chemical resistant gloves and appropriate

Eye Protection : May not be required under normal conditions . Otherwise , wear chemical goggles, safety glasses , or full face shield .

Other Information : DO NOT eat, drink, or smoke during use .

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid	Color : White Emulsion	Odor : Mild
pH (as is) : 7.0 - -9.5	Relative Evaporation Rate (butyl acetate=1) : NA	Melting Point : N/D
Freezing Point : Variable	Boiling Point (Initial) : > 212 °F (100 °C)	Flashpoint : NA
Solubility in Water : Soluble	Evaporation Rate (Water =1) : 1.00	% VOC (by weight) : Minimum of 64% water
Explosive Limits : None	Vapor Pressure : approx. 23 mbars (as water)	Vapor Density (Water Density = 1) : 1.00
Partition coefficient : (n-octanol/water) Undetermined	Auto-ignition Temperature : > 250 °F (120 °C)	Decomposition Temp. : Undetermined
Specific Gravity (Water = 1) : 1.00	Flammability : This material will burn after water evaporates	

SECTION 10 : STABILITY AND REACTIVITY

Reactivity : No Additional Information Available

Chemical stability : Stable under Normal Conditions (77°F /25°C) .

Possibility of Hazardous Reactions : No Additional Information Available

Conditions to Avoid : Direct Sunlight . Extremely High or Low Temperatures .

Incompatible Materials : High pH Alkalis , Low pH Acids, Strong Oxidizers

Hazardous Decomposition By-products : Carbon Monoxide Fumes(CO) / Carbon Dioxide (CO2)

Fumes Hazardous Polymerization : Will Not Occur



**E-LEK-TRO
FLOOR SEALER / FINISH
STEP # 3**

**EXTRA - DURABLE
ZINC-FREE / STYRENE - FREE
RETAINS TOTAL CLARITY
MINIMIZES STRIPPING CYCLES**

SECTION 11 : TOXICOLOGICAL INFORMATION

Information on Toxicological Effects : Any hazards associated with this finished product are listed in SECTION 2 of this SDS .

Likely Routes of Exposure : Inhalation, Ingestion, Skin Contact, Eye Contact (No further data is available)

Inhalation : May Irritate Mucous Membrane or Cause Headaches . If an allergic reaction does occur , move individual to fresh air .

Skin Contact : May Irritate After Prolonged Exposure . In extreme cases , if " Redness " or Sensitization occurs through direct skin contact , seek the attention of a physician immediately .

Eye Contact : May Irritate Eyes After Prolonged Exposure or Through Direct Contact . In extreme cases , if "redness" and watering of eyes persists , seek the attention of a physician immediately .

Ingestion : In extreme cases , nausea , stomach cramps , or vomiting may occur .

Symptoms Related to the Physical, Chemical, and Toxicological Characteristics : No Further Information

Available Delayed and Immediate Effects (Chronic Effects from Short and Long Term Exposure) :

No known effects .

Delayed and Immediate Effects : Unknown.

Chronic Effects : Unknown.

Teratogenicity, Mutagenicity : No Data Available

Reproductive Toxicity : No Data Available

Specific Target Organ Toxicity (Single Exposure) : No Data Available

Specific Target Organ Toxicity (Repeated Exposure) : No Data Available

Carcinogenic Categories :

NTP (National Toxicity Program) : No Data Available

IARC (International Agency for Research on Cancer) : No Data Available

OSHA (Occupational Safety and Health Administration) : No Data Available

Measures of Toxicity : The following Acute Toxicity Estimates (ATE) are calculated on this GHS document .

Data not available or is insufficient for classification .

Acute Toxicity : (see table below)

**Diethylene Glycol Monoethyl Ether (CAS # : 111-90-0)	Test	Species	Results
	LD50 Oral	Rat	5445 mg / kg
	LD50 Dermal	Rat	5940 mg / kg
	LD50 Dermal	Rabbit	>5000 mg / kg
	LC Inhalation	Rat	>5.2 mg / L / 4 h
	ATE US (oral)		5445.00000000 mg / kg body weight
	ATE US (dermal)		5940. 00000000 mg / kg body weight



**E-LEK-TRO
FLOOR SEALER / FINISH
STEP # 3**

**EXTRA - DURABLE
ZINC-FREE / STYRENE - FREE
RETAINS TOTAL CLARITY
MINIMIZES STRIPPING CYCLES**

TOXICOLOGICAL INFORMATION : (continued)

Teratogenicity, Mutagenicity : No Data Available
 Reproductive Toxicity : No Data Available
 Specific Target Organ Toxicity (Single Exposure) : No Data Available
 Specific Target Organ Toxicity (Repeated Exposure) : No Data Available
 Carcinogenic Categories : No Data Available
 NTP (National Toxicity Program) : No Data Available
 IARC (International Agency for Research on Cancer) : No Data Available
 OSHA (Occupational Safety and Health Administration) : No Data Available
 Symptoms / Injuries After Inhalation : Not Established
 Symptoms / Injuries After Skin Contact : Not Established
 Symptoms / Injuries after Eye Contact : Not Established.

SECTION 12 : ECOLOGICAL INFORMATION

ENVIRONMENTAL ACCREDITATION :  **Green Seal** (pending) . If this product becomes a waste , it does not exhibit the properties of ignitability , corrosivity , reactivity , or environmentally- persistent toxicity .

ECOTOXICITY :

**Diethylene Glycol Monoethyl Ether (CAS # : 111-90-0)	
LC50 fish 1	12900 mg / L (96 h ; Salmo gairdneri (Oncorhynchus mykiss) ; Flow-through System)
EC50 Daphnia 1	3940 mg / L (48 h ; Daphnia magna)
EC50 Other Aquatic Organisms 1	10661 mg / L (Echinoidea ; Growth)
LC50 fish 2	9650 mg / L (96 h ; Pimephales promelas ; Flow – through System)

PERSISTENCE & DEGRADABILITY : E-Lek-Tro Sealer / Finish – Not Established

**Diethylene Glycol Monoethyl Ether (CAS # : 111-90-0)	
Persistence and degradability	Readily biodegradable in water
Biochemical Oxygen Demand (BOD)	0.20 g O2 / g substance
Chemical Oxygen Demand (COD)	1.85 g O2 / g substance
thOD	1.9078849 g O2 / g substance
BOD (% of thOD)	0.11 % thOD



**E-LEK-TRO
FLOOR SEALER / FINISH
STEP # 3**

**EXTRA - DURABLE
ZINC-FREE / STYRENE - FREE
RETAINS TOTAL CLARITY
MINIMIZES STRIPPING CYCLES**

ECOLOGICAL INFORMATION : (continued

BIOACCUMULATIVE POTENTIAL : E-Lek-Tro Sealer / Finish – Not Established

**Diethylene Glycol Monoethyl Ether (CAS # : 111-90-0)	
Log Pow	-1.19 to -0.08
Bioaccumulative Potential	Bioaccumulation : NA

**Diethylene Glycol Monoethyl Ether (CAS # : 111-90-0)	
Mobility in Soil	Surface Tension = 0.032 N/m (25 °C)

OTHER ADVERSE EFFECTS :

- . Effect on Ozone Layer (CLEAN AIR ACT (USA) : This product does not contain , and has not contacted , any Ozone Depleting Substances .
- . Effect on Global Warning : No known ecological damage caused by this product
- . Other Information : Avoid release into the environment .

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations : Dispose in safe manner in accordance with local / state / federal / international regulations .
Dispose of contents / container in accordance with local/regional/national/ international regulations . May be burned in a chemical incinerator with an afterburner and scrubber after consulting with the waste disposal facility operator and the pertinent authorities while adhering to the necessary regulations .
Ecology – Waste Materials : Avoid release into environment .
Recommended Cleansing Agents : Water Only

SECTION 14 : TRANSPORT INFORMATION

US DOT, IATA, IMDG, TDG, SCT : This product is not listed in the U.S. TSCA (Toxic Substance Control Act) Inventory . This product is classified as " Non –flammable " ; " Non-hazardous " ; " Not Restricted " for Transport purposes .
ADDITIONAL INFORMATION : No other special precautions for transport are known.

SECTION 15 : REGULATORY INFORMATION

Safety, Health, and Environmental Regulations/Legislation specific for the substance or mixture

OSHA HAZARD COMMUNICATION RULE, 29 CFR 1910.1200 :

The Occupational Safety and Health Administration requires Safety Data Sheets to provide any hazards that may be associated with the product and make this information available in the workplace. Since the use pattern and exposure in the workplace are generally not consistent with those experienced by consumers, this SDS may contain additional health hazard information not pertinent to consumer use.



**E-LEK-TRO
FLOOR SEALER / FINISH**

**EXTRA - DURABLE
ZINC-FREE / STYRENE - FREE**

US TSCA INVENTORY STATUS : All chemicals used in this product are either listed on or exempt from the TSCA Inventory. A chemical ingredient in this product is on the 8 (B) Inventory List (40 CFR 710)

SARA 302 : This product does not contain materials listed in Appendix A or B as an "Extremely Hazardous Substance " .

SARA 313 : Listed Ingredients contained in this product are identified in SECTIONS II and III of this SDS ,

This product contains the following substance : **Diethylene Glycol Monoethyl Ether (CAS # : 111-90-0)** applies to R- (OCH₂CH₂)_n - OR, where n = 1, 2, or 3 ; R = Alkyl C7 or less, or R= Phenyl or Alkyl substituted phenyl , R' = H or Alkyl C7 or less, or OR' consisting of Carboxylic acid ester , Sulfate , Phosphate , Nitrate , or Sulfonate , Chemical Category N230 .

SARA 311 / 312 Hazard Categories : Ingredients listed in 29 CFR 1910 , Subpart Z are identified in SECTION II . None are known or suspected carcinogens by the National Toxicological Program , International Agency for Research on Cancer ; or OSHA .

...Acute Health Hazard = YES

...Chronic Health Hazard = NO

...Fire Hazard = NO

... Sudden Release of Pressure Hazard = NO

...Reactive Hazard = NO

CANADA CEPA DSL STATUS : ND EINECS (Europe) : This product meets the definition of a polymer under the 7th Amendment to Directive 67 / 548 / EEC . (92 / 32 / EEC)

CALIFORNIA PROPOSITION 65 : This product is known to contain a chemical currently listed under California Proposition 65 .

Chemical Name	California Proposition 65
Diethylene Glycol Monoethyl Ether (CAS # : 111-90-0)	Developmental // Male Reproductive (at full strength)

Warning : This chemical ingredient at undiluted , full-strength is known to the State of California to cause birth defects & other reproductive harm .

AICS (Australia) : ND

Handbook of Existing & New Chemical Substances (Japan) : ND

SECTION 16 : OTHER INFORMATION

HMIS Rating	GHS classification ratings order of severity differ from NFPA and HMIS
HEALTH 1	HMIS/NFPA Hazard Ratings GHS Hazard Categories
FLAMMABILITY 0	0= Minimal Hazard Cat 1 ~ Severe Hazard
PHYSICAL HAZARD 0	1= Slight Hazard Cat 2 ~ Serious Hazard
PERSONAL PROTECTION B	2= Moderate Hazard Cat 3 ~ Moderate Hazard
	3= Serious Hazard Cat 4 ~ Slight Hazard
	4= Severe Hazard Cat 5 ~ Minimal Hazard

DISCLAIMER : This document is intended to provide a brief summary of our present knowledge and guidance regarding the use of this material . The information set forth herein has been compiled from sources to be dependable and is believed to be accurate as of the date of issuance . This information is offered in good faith by HEALTHY CLEAN BUILDINGS and no warranty, expressed or implied, is made . The user assumes all liability for any damage or injury resulting from misuse, from any failure to adhere to recommended practices according to product label (and such), or from any hazards inherent in the nature of the product . This document shall not constitute a guarantee for any specific product features and shall not establish a legally valid contracted relationship.

Footnotes : CALC-Calculated; COR-Corrosive; CS-Cancer Suspect Agent; EST-Estimated; HMIS-Hazardous Material Identification System; NA-Not Applicable; ND-No Data ; NE – Data Not Established; OX- Oxidizer; PEL-Permissible Exposure Limit; PPI-Personal Protection Index ; STEL-Short Time Exposure Limit; TLV-Threshold Limit Value; TWA-Time Weighted Average