



SAFETY DATA SHEET (SDS)

Date Revised : 01 / 15

Supercedes : 07 / 11

**E-LEK-TRO
FLOOR STRIPPER
STEP # 1**

**- REMOVES MULTI – LAYERS OF
FLOOR COATINGS IN ONE STEP
- NO D.O.T. “CORROSIVE”
LABEL REQUIRED
- CONTAINS NO HARSH CHEMICALS**

SECTION 1 : IDENTIFICATION OF SUBSTANCE / COMPANY

PRODUCT NAME / IDENTIFIER :

PRIMARY APPLICATION / RECOMMENDED USAGE :

.
. .
. .
. .

DISTRIBUTED EXCLUSIVELY BY :

.
. .

INFORMATION TELEPHONE :

EMERGENCY TELEPHONE :

USAGE RESTRICTIONS :

“ E-LEK-TRO Floor Stripper ” - STEP # 1 :

Breaks the molecular lock and structure of most floor seals and finishes WITHOUT relying on corrosive, highly alkaline caustics and harsh solvents to soften, emulsify, and dissolve old coatings low odor formula releasing minimum fumes and vapors into the Indoor environment .

HEALTHY CLEAN BUILDINGS

4 Wilmington Drive

Melville, New York 11747

1-631-643-1882

1- 516-377-7772

Refer to Product label

SECTION 2 : HAZARD(S) IDENTIFICATION

Classification of the substance or mixture (GHS-US) :

NOTE : Prolonged contact with skin or eyes may cause mild – moderate physical irritation .

Label Elements

Hazard Pictograms

(GHS-US Labeling)  Skin & Eye Irritant

Signal Word :

Warning

Hazard Statements :

H303 : May Be Harmful If Swallowed .

H316 : May Cause Mild Skin Irritation .

H320 : May Cause 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 .

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 .

Other Hazards : None

Ingredients with Unknown Acute Toxicity : None



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SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS :

Chemical characterization : Non – Corrosive Floor Stripper .
Component Disclosure :

Ingredient	CAS #	Weight %	Table Z - 1 - A			NTP, IARC, or OSHA Carcinogen
			TWA mg / m ³	STEL mg / m ³	CEILING mg / m ³	
Ethanolamine	141-43-5	1-10	3 ppm (8 hr)	6 ppm (15 min.)	NE	NO
EGPhenyl Ether	122-99-6	1 - 10	NE	NE	NE	NO
PG N-Butyl Ether	5131-66-8	1-10	NE	NE	NE	NO
Deionized Water	7732-18-5	Trade Secret	NE	NE	NE	NO

NOTE : Percentages and identities are withheld as trade secrets.

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 : Do Not Induce vomiting unless advised by a physician or poison control center . 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 : Move to 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 :

Flashpoint (°F, °C , PMCC) : Non Established = >212°F

Suitable Extinguishing Media : Water , Water Spray , Dry Powder , Foam , Carbon Dioxide (CO₂) . Does not support combustion .

Use extinguishing media appropriate for surrounding fire .

Auto-Ignition Temperature : ND

Special Protective Equipment for Fire Fighters : Wear NIOSH approved , self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode when fighting fires . Cool fire exposed containers with water spray .

Unusual Fire Hazards : Combustion products may be toxic .

Flammability : Not Flammable (Aqueous-based)

Unsuitable Extinguishing Media : None

Lower / Upper Flammable Limits : Not Available

Hazardous Decomposition Products : Carbon Monoxide , Carbon Dioxide



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SECTION 6 : ACCIDENTAL RELEASE MEASURES

Exercise caution from slipping on leaked / spilled product . Mop up excess product . Rinse several times with water .

Leak and Spill Procedure : Collect excess product for disposal . 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) .

Precautions To Be Taken in Handling & Storing : Protect from freezing . Product shelf life is best retained by storing at 45 -100 ° F .

Environmental Precautions : Make best efforts to prevent entry into sewers and public waters . This product contains no reportable quantities of toxic chemicals subject to reporting requirements of Section 313 of SARA Title III Emergency Planning and Community Right-To-Know Act of 1968 and of 40 CFR Part 372 .

SECTION 7 : HANDLING & STORAGE REQUIREMENTS

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 . Avoid contact with moist air and steam . Avoid personal contamination after a spill .

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

Safe Storage Conditions : Keep in original container in a cool , well-ventilated place away from incompatible substances and open flames .

Keep container closed when not in use .

Incompatible Products : Not Known

Incompatible Circumstances : Not Known

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace Control Parameters : Relatively no effect if exposed in small amounts . Relative to other similar materials, a single dose of this product is rarely toxic by inhalation or ingestion . When ingested in small amounts , a numbness of the mouth and/or irritation of the stomach can develop . After prolonged contact , eye irritation may occur . After repeated and / or prolonged contact with skin , dermatitis and skin sensitization may develop . Slight "redness" may develop on hands and forearms if individual has a history of dermal allergic reaction .

Engineering Controls : Facilities storing or utilizing this material should be equipped with an eyewash station and safety shower . Use adequate ventilation to keep airborne concentrations low .

Local Exhaust : Not required .

Exposure Limits :

Chemical Name :	ACGIH :	NIOSH	OSHA – Final PELs
Ethanolamine I CAS #141-43-5)	3 ppm (TWA Limit -8 hr.) + Supplement : 6 ppm (STEL – 15 min.)	3 ppm (TWA Limit 8 hr.) + Supplement : 6 ppm (STEL – 15 min.) (Ex. 8-47, Table N1)	3 ppm (TWA Limit -8 hr.) + Suppl : 6 ppm (STEL – 15 min.)

Exposure Controls :

Personal Protective Equipment : Avoid unnecessary exposure

Hand protection : Good practice to wear chemical –resistant gloves

Eye Protection : Chemical goggles or safety glasses as described by OSHA Regulation 29 CFR 1910.133 or European Standard EN 166 .

Respiratory Protection : Good practice to wear appropriate mask . Follow the OSHA Respirator Regulations found in 29CFR 1910.134 or European Standard EN 149 . Whenever necessary, always use a NIOSH or European Standard EN Approved Respirator .

Work / Hygienic Practices : Wash contaminated clothing before re-use .

Other Information : Do Not eat, drink, or smoke during use



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SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State : Liquid	Color : Red	Odor : Mild , Non-Descriptive
pH (as is) : 11.2 (in conc) // 10.7 (diluted)	Relative Evaporation Rate : Equivalent to Water	Melting Point : Undetermined
Freezing Point : < 32 °F, < 0 °C	Boiling Point : >212 °F	Flashpoint : ≥ 200 °F
Solubility in Water : Miscible	Specific Gravity (Water = 1) : > 1	Flammability : NA
Explosive Limits : Undetermined	Vapor Pressure : NA	Vapor Density (Air = 1) : < 1
Partition coefficient : (n-octanol/water) Undetermined	Auto-ignition Temperature : Undetermined	Decomposition Temp. : Undetermined

SECTION 10 : STABILITY AND REACTIVITY

Reactivity : No Additional Information Available	Chemical stability : Stable under Normal Cond ition s
Possibility of Hazardous Reactions : Undetermined	Conditions to Avoid : Direct Sunlight . Extremely High or Low Temperatures
Incompatible Materials : Low pH Acids ; High pH Alkalis ; Oxidizing & Reducing Agents ; Materials reactive with Hydroxyl compounds ; Reactive Metals such as Aluminum , ,Zinc and Tin ; Alcohol , and Amines .	Hazardous Decomposition By-products : Carbon Monoxide , Carbon Dioxide Aldehydes .
	Fumes Hazardous Polymerization : Should not occur

SECTION 11 : TOXICOLOGICAL INFORMATION

Information on Toxicological Effects :

Likely Routes of Exposure : Inhalation , Skin Contact , Eye Contact , Oral Ingestion

Conditions to Avoid :

Inhalation : Minor Respiratory Irritant Effect . Avoid breathing mist . May cause respiratory irritation . Symptoms are nasal discomfort and coughing .

Skin Contact : Minor Irritant Effect . Prolonged Exposure May Cause Redness, Swelling, and Pain . Sensitization possible through prolonged skin contact .

Eye Contact : Moderate Irritating Effect . Prolonged Exposure May Cause Redness, Swelling, and Pain .

Ingestion : May Be Harmful If Swallowed . May Cause Digestive Irritation , Nausea, or Vomiting

Symptoms Related to the Physical, Chemical, and Toxilogical Characteristics : Use of this product may aggravate pre-existing skin ; eye ; and respiratory disorders including asthma and dermatitis .

Available Delayed and Immediate Effects (Chronic Effects from Short and Long Term Exposure) : No Further Information

Measures of Toxicity : No Further Information Available

Teratogenicity, Mutagenicity : No Data Available

Reproductive Toxicity : Not Classified

Specific Target Organ Toxicity (Single Exposure) : Not Classified

Specific Target Organ Toxicity (Repeated Exposure) : Not Classified

Carcinogenic Categories : This product does not contain any substances that are considered by ACGIH, OSHA, or NTP to be human carcinogens .

NTP (National Toxicity Program) : None of the Ingredients are listed as of this date .

IARC (International Agency for Research on Cancer) : None of the Ingredients are listed as of this date .

OSHA (Occupational Safety and Health Administration) : None of the Ingredients are listed as of this date .

Acute Toxicity :

Product / Ingredients name	Result	Species	Exposure
Ethanolamine I CAS #141-43-5)	LD50	Rat	Oral = 3.32 g / kg
	LD50	Rat	Intraperitoneal = 981 mg/kg (Hartung Cornish 1968/Ex. 1-328)
	LD50	Rabbit	Dermal = 1mg/ kg

<http://www.cdc.gov/niosh/pe/188/141-43.html>



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TOXICOLOGICAL INFORMATION (continued)

<u>Product / Ingredients name</u>	<u>Result</u>	<u>Exposure</u>
Ethanolamine I CAS #141-43-5)	ATE US	Oral = 1720.000 mg/ kg -- body weight
	ATE US	Dermal = 1018.000 mg/ kg - bodyweight


Skin Corrosion / Irritation : May Cause Skin Irritation (@ pH – 11 (in concentrate))

Skin Sensitization : Not classified , except for personal allergic reactions .

Serious Eye Damage / Irritation : May Cause Serious Eye Irritation

Respiratory Sensitization : Not classified (@ pH – 11 (in concentrate))

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 .

Mobility : Completely Soluble Algae / Aquatic Plants

Aquatic Toxicity : Ethanolamine I CAS #141-43-5) - See Below

Algae / Aquatic Plants : (EC50) 15 : 72 h Desmodesmus subspicatus mg/ L

(Threshold Limit Algae 1) 0.97 : 192 h Scenedesmus quadricauda ; Inhibitory mg/ L

(Threshold Limit Algae 2) 35 : 72 h Algae mg/ L

Fish Toxicity : (LC50 fish 1) 150 : 96h Salmo gairdneri mg / L

(LC50 fish 2) 329.16 : 96h Lepomis macrochirus mg / L

(LC 50 Flow-through) 227 : 96 h Pimephales promelas mg/L

(LC 50 Static) 3684 : 96 h Brachydanio rerio mg/ L

(LC 50 Static) 300 – 1000 96 h Lepomis Macrochirus mg/ L

(LC 50 Static) 114-196 : 96 h Oncorhynchus Mykiss mg/ L

(LC 50 Flow-through) 200 : 96 h Oncorhynchus Mykiss mg/ L

(TML fish 1) 100 – 1000 : 96 h Pisces

(TLM other aquatic organisms 1) 100-1000 : 96 h

Crustacea : (EC 50) 140: 24 h Daphnia magna mg/ L

(EC 50) 65 : 48 h Daphnia magna mg/ L

Persistence and Degradability (E-LEK-TRO Floor Stripper " - STEP # 1) : NE

Persistence and Degradability (Ethanolamine I CAS #141-43-5) Readily Biodegradable in water ; Biodegradable in soil .

Biological Oxygen Demand (BOD)-- (Ethanolamine I CAS #141-43-5) : 0.80 g O₂ / g substance

Chemical Oxygen Demand (COD)-- (Ethanolamine I CAS #141-43-5) : 1.34 g O₂ / g substance

ThOD -- (Ethanolamine I CAS #141-43-5) : 2.49 g O₂ / g substance

BOD (% of ThOD -- (Ethanolamine I CAS #141-43-5) : 0.32 % ThOD

Bioaccumulative Potential (E-LEK-TRO Floor Stripper " - STEP # 1) : NE

Log Pow (Ethanolamine I CAS #141-43-5) : - 1.91

Bioaccumulative Potential (Ethanolamine I CAS #141-43-5) : NA



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Environmental : No Additional Information Available
Terrestrial Toxicity : No Additional Information Available
Mobility in Soil : Surface Tension (Ethanolamine I CAS #141-43-5) : 0.050 N/ m

OTHER ADVERSE EFFECTS :

Effect on Ozone Layer No Additional Information Available
Effect on Global Warming : No Additional Information Available
Other Information : Avoid release into the Environment

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal Recommendations : Dispose in safe manner in accordance with local / state/federal regulations.
Dispose of contents / container in accordance with local/regional/national/international regulations . Can be incinerated with conventional waste stream 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

In Accordance with DOT Regulations
Not regulated for Transport

UN Number (DOT, IMDG, IATA) Not Regulated
UN Proper Shipping Name (DOT, IMDG, IATA) Not Regulated
Transport Hazard Class(es) (DOT, IMDG, IATA) Not Regulated
Packing Group (DOT, IMDG, IATA) Not Regulated
Environmental Hazards : Marine Pollutant (Yes/No) NO
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code...Not Applicable
Special Precautions for User : Not Applicable

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.

OSHA : Ethanolamine (CAS #141-43-5) Not considered highly hazardous by OSHA.

US TSCA INVENTORY STATUS : All chemicals used in this product are either listed on or exempt from the TSCA Inventory. Ethanolamine (CAS #141-43-5) is listed on the United States TSCA (Toxic Substances Control Act) Inventory .

SARA Section 313 : Ethanolamine (CAS# 141-43-5) is not subject to SARA Title III Section 313 40 CFR 373 reporting requirements.

Clean Air Act : CAS# 141-43-5 is not listed as a hazardous air pollutant (HAP). It is not a Class 1 Ozone Depleter. It is not a Class 2 Ozone Depleter.

Clean Water Act : CAS# 141-43-5 is not listed as a Hazardous Substance. It is not a Priority Pollutant. It is not a Toxic Pollutant .

WHMIS : This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and this MSDS contains all the information required by those regulations.



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REGULATORY INFORMATION (continued)

U.S. Federal Regulations :No Additional Information Available
 US-EPA (Environmental Protection Agency) None of the Ingredients are Listed

US State Regulations: CAS# 141-43-5 is on the following state right-to-know lists: California, New Jersey, Pennsylvania, Minnesota, and Massachusetts
 California Prop 65: California No Significant Risk Level .

International Regulations :

CANADA : Not listed -- DSL/NDL: CAS# 141-43-5 is listed on Canada's DSL list.

WHMIS : This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and this SDS contains all the information required by those regulations.

EU-REGULATIONSNo Additional Information Available

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; TS-Trade Secret ; TWA-Time Weighted Average